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CHAPTER I

OBJECT

The primary object of the present investigation is to make a comparative study of the mental associations of children and adults. It is a study in group psychology, one group being that of children and the other that of adults. The study is made by means of association frequency tables.¹ We have compiled such tables from the responses of one thousand school children, of ages nine to twelve, to each of one hundred stimulus words. Since we used the same stimulus words as Kent and Rosanoff,² we have been able to take their adult frequency tables for comparison, and thus draw conclusions from a total of two hundred thousand cases of association.

A secondary object of our study, attained merely by the compilation of the children's association frequency tables, is to secure data which may serve as a standard in the studies of the mental associations of individual children. We believe that the responses of any child to the one hundred stimulus words,

What is meant by association frequency tables is generally known, but should perhaps be fully explained. A word, called the stimulus word, is pronounced to a subject who has been instructed to respond with the first word that the stimulus word brings into his mind. The word responded with is called the reaction word or the response. The same stimulus word is given, say, to a thousand individuals. These thousand individuals will not all respond with a different word, but with one of a comparatively small number of words, a hundred or so. Now a frequency table is one which shows just how often each of these hundred or so words occurred in the one thousand responses. Suppose one half of the thousand subjects responded with the same word, its frequency would be 500. Usually the greater part of the thousand responses will be one of a very small number of words. These will all have a high frequency. On the other hand there are always a number of words found to have been given only a few times. Those given only once, that is, those having a frequency of only one in the frequency tables, are called 'individual' associations.

² Kent, Grace Helen, and Rosanoff, A. J., 'A Study of Association in Insanity'. Amer. J. of Insanity, Vol. LXVII, 1910, 1 and 2.

particularly when obtained several times and interpreted understandingly, afford one of the best pictures of his mental constitution that can be quickly obtained. It is in the picture, in the qualitative description, that we see the main value of the free association test,-not in any measurement it may give of the amount of intelligence. When regarded in this light, there is no reason why, in individual work, introspections should not be obtained, nor why association times should not be measured with the stop watch. It would seem, rather, to be imperative to obtain some introspective clues to the explanation of all exceptionally slow or very unusual associations. The frequency table is of value, in such individual study, as indicating what responses are most common, what most children do, and thereby affording a viewpoint from which to judge the individual child. Our various classifications of the data of the frequency tables may also be of value in this connection.

It is true that attempts have been made to use the free association test as a measure of amount of intelligence. The test has had some success in this way and is probably of some value. A children's frequency table will prove invaluable to all such investigations that may be conducted in the future. We repeat, however, that the main value of the association test is not in telling us how much mind but what kind of a mind the child has. It is only as a qualitative test that it deserves the encomiums heaped upon it by so many authors, particularly Woodworth and Wells. The latter refer to the test as having achieved, and being likely to retain, a place "in the foremost rank among the methods of individual psychology," and assert that the results that may be obtained by the use of standard frequency tables give "perhaps the best objective correlate of temperament at present to hand."

By our comparison of children and adults, we shall show that between the child and the adult there exist certain striking differences in mental make-up, differences with which we believe that the psychologist and the teacher of children should be thor-

³ Woodworth, R. S., and Wells, F. L., 'Association Tests,' Psychol. Monog., Vol. XIII, 1911. 57, p. 73.

⁴ Op. cit., p. 74.

oughly familiar. But we shall have nothing to say about how much more intelligent the adult is than the child.

The present study suggests a further use of our children's frequency tables, namely, its use for comparison with similar frequency tables obtained from children of different social status or race or of defective mentality.⁵

⁵ Wreschner writes as follows: "Darum erweist sich aber das Experiment über Reproduktion und Assoziation als geeignete Unterlage einer angewandten Psychologie, wie kein anderes. Macht doch schon jetzt von ihm ausgiebigen Gebrauch die Sprachforschung, die Psychopathologie, die Jurisprudenz und die Pädagogik, und erkannten wir doch auf Schritt und Tritt, von welcher Tragweite es für die Psychologie der individuellen Differenzen ist. Voraussetzung all dieser praktischen Anwendungen ist aber eine möglichst genaue Kenntnis der Bedingungen, Eigenarten und Formen der normalen Reproduktion und Association." Ztsch. f. Psychol. u. Physiol. d. Sinnes., Ergänzungsband, 3, 1907, p. 554.

CHAPTER II

PREVIOUS WORK

A knowledge of the methods and results of previous investigators of children's associations is indispensable to the proper interpretation and evaluation of the present data. Moreover, while the present work is intended primarily as a study in comparative group psychology, the present frequency tables may be employed by others in the study of individual differences. The success attained in this direction, however, will depend largely upon the user's knowledge of the psychology of association in children, as already established. It seems desirable, therefore, to give a brief résumé of preceding investigations, in so far as they bear upon the present study.

The first careful study of children's associations was published in 1898 by Ziehen. Ziehen used 45 boys of ages 8 to 14. These he studied individually, chiefly by the oral method. The instructions to the subject, while similar to those used by later investigators, may have differed from those somewhat because of certain implications or suggestions. The child, upon having a word called out to him, had, as quickly as possible, to indicate that representation (Vorstellung) which immediately followed the representation awakened by the stimulus word.2 It is evident that there is here a suggestion that the stimulus word called out to the child shall not immediately be followed by another word, but that it shall first call up an image and that this first image shall then be followed by a second image, to be designated verbally. This suggestion was no doubt strengthened by the further questioning of the child, since, immediately upon giving his response, he was asked whether he had thought of a definite object.3

¹ Ziehen, Th., Sammlung von Abhandlungen aus dem Gebiete der pädagogischen Psychologie und Physiologie, Vol. 1, 1899, 6, pp. 66.

² Op. cit., p. 10.

³ "Antwortete das Kind Z. B. auf "Frosch" mit "Laubfrosch," so frug ich, ob das Kind an einem bestimmten Frosch und Laubfrosch gedacht habe,

Ziehen formulated his main problem as follows: Does the association of ideas in the child as compared with the adult, show a preponderance or a lack of certain types of association? To answer this question, he compared the results obtained with children with those obtained from a "large number" of "analogous investigations" with adults. He obtained a very striking and important result. With adults, as the commonest case, he found that the stimulus word awakened a general idea (Allgemeinvorstellung) which in turn called up another general idea, designated by the response word. He estimates that this form of association occurred in 80 per cent of all the associations of his adults. With children, on the other hand, this association through general ideas was rare, though Ziehen says that it gradually increases in frequency with the age of the child. As by far the commonest case with children, he found that the stimulus word called up an individual or concrete idea, which called up another individual idea (Individualvorstellung). Ziehen says that while it is well known that a child does not employ the same range of general ideas in his thinking as does the adult, he was nevertheless astonished to discover to what extent the individual presentations predominate in the mind of the child. He concludes that in this respect the association of ideas in the child is different toto coelo from that of the adult.4 Adults tend to think in terms of general ideas, children in terms of concrete representations.

Besides this fundamental difference between children and adults, Ziehen mentions several minor differences. Verbal associations occurred but seldom with children, apparently much less often than with adults, and were apt to take the form of word-completion, e.g., post,—card. Rhyme associations occurred very seldom, much more seldom than with adults. The same is true of associations of words commonly connected, e.g., hand,—foot; hope,—love.

und erhielt Z. B. zur Antwort: "ja an den Frosch, den Ring's (eine bekannte Familie) vor 3 Wochen gehabt haben." In anderen Fällen antwortete das Kind, es habe "an alle Frösche" oder "an keinen bestimmten" gedacht u. s. f." op. cit., p. 11.

⁴ Op. cit., p. 32.

Ziehen was followed in his pioneer work by Meumann, who studied the mental associations of over 800 school children, distributed in 19 classes, in the hope of obtaining criteria of degree of intelligence. He used 4 groups of 12 words each: first, concrete substantives; 2nd, verbs; 3rd, adjectives; 4th, abstract substantives. The words were read to a class of children by their teacher, and to each word the children had to write as a response the very first word that came into their head. The teacher gave a few examples first. With few exceptions, the children readily comprehended the aim of the experiment. Among the 8 year old children, however, there were a few who continually wrote words which stood in no connection with the stimulus words. Meumann presents hardly any of his actual data, and it is not clear just what method he used in arriving at his conclusions. The latter, however, are stated in great detail.

As characteristics of the associations of the less intelligent children, which serve to distinguish them from the more intelligent, Meumann mentions the following tendencies:— 1. The less intelligent more often misunderstand or misinterpret the stimulus word. 2. They more often fail to write down a response. In the case of abstract substantives, they may omit 60 to 70 per cent of the responses. 3. They give a greater number of senseless responses. The word written may be senseless or may stand in no apparent relation to the stimulus word. 4. Their responses show less mental work, or, as we might say, less thought. They take more often the form of mere word changes or rhymes, simple opposites, or words frequently named together, e.g., cat,—mouse. 5. Their responses are more dependent upon the connections established in their school exercises. 6. They are more apt to deviate from the concrete associations characteristic of children and to exhibit an apparent precocity by responding with general and abstract terms. The greater likelihood of opposites in the case of the less intelligent would also have to be included under this heading, since opposites are characteristic of adults. 7. As already noted by Ziehen, their responses are more apt to show

⁵ Meumann, E., 'Intelligenzprüfungen an Kindern der Volkschule'; Die experimentelle Pädagogik, Vol. I, 1905, pp. 86-101.

perseveration, of which Meuman distinguishes three kinds. First, the response may consist in the repetition of a previous stimulus or response word. After its first occurrence, such a response stands in no apparent connection with the stimulus word. Second, and more commonly, a stimulus word starts a dominating chain of representations which then determine successive responses independently of the stimulus word. Third, the subject may hold to the same category of response, e.g., a strengthening adjective. This is only an index of unintelligence when the persistent category is not typical of the age in question.

It should be remembered that the data given in support of the above conclusions consist only in occasional illustrations. One of the conclusions which we believe stands in particular need of verification is that the less intelligent children are more apt to give logical opposites. It should be noted, further, that the above-mentioned differences between the intelligent and unintelligent children are merely differences in the frequency with which certain types of responses are found in the case of groups of such children. It is not established that any of them are reliable indices of the intelligence of a given individual.

Meumann also mentions certain characteristics which he regards as distinguishing younger children from older ones. One might expect these characteristics to be the same as those distinguishing the less intelligent children from the more intelligent. Meumann himself suggests the following important proposition: the symptoms of relative stages in the development of the child's intelligence are at the same time symptoms of the relative intelligence of individuals of like age. However, the characteristics which Meumann attributes to the more intelligent children, as compared with the less intelligent, are not identical with those which he attributes to the younger children as compared with the older. With the younger children, he says, the logical opposite hardly ever occurs, while, with the 13 and 14 year old children, it may constitute 90 or even 100 per cent of the responses. The

⁶ Op. cit., p. 91.

⁷⁰ p. cit., p. 101.

⁸ Op. cit., p. 99.

difference is particularly striking when adjectives are used as the stimulus word. The 8 and 9 year olds, in place of giving the logical opposite, seek mainly a substantive which the adjective given as stimulus word describes, e.g., white,—paper; black,—coal. On the other hand, as already noted, Meumann states that the less intelligent are more apt to give the logical opposite than the more intelligent.

Another alleged exception to the parallel between age and intelligence has already been mentioned, namely, the tendency towards association of general ideas in the less intelligent children and in adults as contrasted with the use of concrete imagery in the case of the normal children. In view of the importance of these alleged similarities between adults and the more unintelligent children, and the absence of supporting data, the matter should evidently be reinvestigated.

Winteler, 10 like Meumann, was interested in association as a possible means of diagnosis of intelligence. He obtained associations from 8 boys, all about 10 years of age, using a list of 40 stimulus words. The list included 25 nouns and 15 verbs and adjectives. Of these 8 boys, 3 were chosen, on the basis of their school work, as the most intelligent of their class, and 4, as the most unintelligent. The eighth boy was supposed to be of intermediate intelligence. Upon classifying the responses, according to their grammatical form, into nouns, adjectives, verbs and adverbs, he found that he could distinguish three reaction types. 11 These three types were about evenly represented, two of them by three boys each and the third by two. They showed no relation to the degree of intelligence. One type reacted to substantives mainly with adjectives, to adjectives with substantives, and to verbs with substantives; this is termed the perceptual (anschaulich) or describing type. Another type answered to substantives mainly with other substantives, to adjectives with other adjectives and to verbs with other verbs; this is designated the com-

⁹ Op. cit., p. 93.

¹⁰ Wintler, Jr., 'Experimentelle Beiträge zu einer Begabungslehre,' Die experimentelle Pädagogik, Vol. II, 1906, pp. 193-207.

¹¹ Op. cit., p. 207.

paring or relating type. The third type is mixed. Those subjects responding largely with adjectives showed considerable perseveration, which Winteler explains as due to a closely limited stock of words.

Wreschner, 12 in the course of his extremely detailed study of association, obtained data on free association with two children, one of 3¾ and one of 5¾ years of age. He recorded their oral responses to something over 300 words, and compared them with the responses of twenty adults, with whom he used a list of words varying in number from 57 to 503. All the responses were classified by the aid of a classification schema of about forty headings, and a comparison then made of the percentages for adults and children under each heading. 18 Of course the number of children used, two, is entirely too small to give these percentages any considerable reliability. The investigation of Winteler, referred to immediately above, shows how greatly children may vary in the type of their associations, since, in a group of only eight boys, he distinguished three markedly different classes.

Without attempting to explain in full Wreschner's classification schema, we shall note the main similarities and differences shown to exist between children and adults by his percentages.

Adults gave over twice as many logical associations, over one fourth of their associations being of this sort. This appears to be due to the greater frequency of association of opposites, similars and synonyms, and associations from effect to cause. Association of opposites is by far the commonest form of logical association amongst adults, and is about five times as frequent with the adults as with the two children. Another type of association which occurred more frequently with the adults than with the children is that which Wreschner terms verbal or speech completion. It includes three sub-types: word completion, e.g., snow,—ball; 'speech reminiscences,' e.g., fox,—goose; and a certain class of 'attributive unions,' e.g., mother,—dear. For all of

¹² Arthur Wreschner, 'Die Reproduktion und Assoziation von Vorstellungen,' Ztsch. f. Psychol. u. Physiol. d. Sinnes., Ergänzungsband, 3, 1907, pp. 559.

¹³ Op. cit., pp. 285-294.

these sub-types, the percentages were greater for the adults. Taken together, they constituted about a fourth of the adults' associations but only 7 per cent of the children's.

The children, on the other hand, favored two forms of predicative connections. One of these is the reaction-word-subject type, in which the reaction-word constitutes a subject of the stimulus-word, e.g., round,—circle. This form of reaction constituted about one fourth of the children's associations but less than one tenth of the adults'. The other predicative connection preferred by the children is the 'stimulus-word object,' in which the stimulus word is the object of the reaction-word, e.g., sand, strew. This form of reaction constituted nearly a tenth of the children's associations but only one or two per cent of the adults'. The children also gave more frequently than adults associations classified as spatial and temporal localizations, e.g., windy, outside; still,—night. These constituted about one tenth of the children's associations, but only about one thirtieth of the adults'. In all other respects than those mentioned no appreciable differences in association type existed between the adults and the children.

Saling¹⁴ made some experiments on free association with a group of 34 school girls from 7 to 8 years old. The stimulus words were sixty in number and included ten of each of six varieties. The children had to think their reaction-words, and upon a signal from the experimenter to write them upon blanks. Saling compares the data thus obtained with results obtained on adults by Thumb and Marbe.¹⁵ This comparison, made in the form of a table,¹⁶ bears only on one point, namely, whether the most frequent response given to any stimulus word has a greater frequency with adults than with children. The table indicates that the most common response has a higher frequency, that is, constitutes a larger percentage of all the responses, in the case of adults than with children.

¹⁴ Saling, Gertrude 'Associative Massenversuche,' Ztsch. f. Psychol. u. Physiol. d. Sinnes., Vol. XLIX, 1908, pp. 238-253.

¹⁵ Thumb and Marble, 'Experimentelle Untersuchungen über die Psychologischen Grundlagen der sprachlichen Analogiebildung,' Leipzig, 1901.

¹⁶ Op. cit., Tabelle I. p. 240.

This conclusion is clearly to a large extent due to the peculiar list of words used by Saling. It is noteworthy in the following respects: it is one-third composed of adverbs; it contains no verbs; it includes the names of the numerals one to ten; ten pronouns, and only ten nouns and ten adjectives; and, most striking of all, it is made up almost entirely, with the exception of numerals, of pairs of opposites or coordinates, e.g., father, mother; brother, -sister; large, -small; old, -young; I, -you; he,—she; here,—there; everywhere,—nowhere; now,—never; this,—that. Both members of each such pairs are included in the list of stimulus words. Now the data presented in the present study will show very clearly that such pairs of words as these constitute the type of associations which, above all others, characterizes adults in contradistinction from children.17 The most frequent response to such words with adults is nearly always the other member of the pair; and it is not surprising that the most frequent responses to such words show a higher frequency with adults than with children. The natural tendency of adults to respond by the opposite or the correlative would no doubt be strengthened by the constant occurrence of opposites in the list of stimulus words. It is clearly the peculiar character of Saling's list of stimulus words which accounts for the very high frequency of the most common or preferred responses. On the average, with adults, the frequency of the preferred response was 56 per cent. The Kent-Rosanoff adult frequency tables, on the other hand, show only one response of a frequency over 56 per cent, while they show an average frequency for the most common response of only 26 per cent.18

It is evident, from the above considerations, that we are not entitled to generalize Saling's conclusions. With other stimulus words, the frequency of the most favored response might not be as great in adults as in children. The result obtained would clearly depend upon what words were used as stimulus words.

Rusk¹⁹ studied free association in 22 school boys, from 71/2

¹⁷ See Chapter VI, p. 84-92.

¹⁸ Cf. Chapter VII, p. 97-98.

¹⁹ Rusk, Robert R., 'Mental Association in Children', Brit. Journal of Psychol., Vol. III, 1909-1910, pp. 349-385.

to 14½ years of age. The stimulus words, thirty in number, were presented visually instead of orally. The instructions used were as follows: "A word will be shown, e.g., dog. When anything comes into the mind, either name it or say 'Now'; then tell as exactly as possible what passed in the mind. Take your own time, but answer immediately the first idea comes into your mind."²⁰ Among the conclusions reached may be mentioned the following:

"The degree of perseverance varies inversely with age and intelligence. The present investigation confirms the results of

previous workers on this point.21

"The present investigation confirms the statement of Ziehen as to the astonishing definiteness and vividness of the child's imagery which has much the same characteristics as its perceptual experience, viz. vividness and definite spatial and temporal localization: it also supports the general view as to the great predominance of concrete visual imagery over other forms of imagery accompanying the thought processes of the child.

"Children who are best endowed with respect to the various forms of imagery do not, it would appear from the analysis of the introspection here undertaken, necessarily stand highest in school."²²

Reinhold,²³ in 1910, published a children's association frequency table, based on data obtained from 300 school girls with 46 stimulus words. The girls ranged from 7 to 17 years of age, and were distributed in 10 successive classes, 30 in each class. The stimulus words were read to the class, and the children wrote down the first word that came to them. The number of different reaction words given by the 300 children to one stimulus word, was, on the average, 68.1. The average frequency of the most frequent response was about 26 per cent, but varied from 51.7 per cent (thunder,—lightning) to 10.0 per cent (play,—

²⁰ Op. cit., p. 359.

²¹ Cf. Meumann, p. 6 above, conclusion no. 7.

²² Op. cit., p. 385.

²³ Reinhold, Ferdinand 'Beiträge zur Assoziationslehre anf Grund von Massenversuchen,' Ztsch. f. Psychol. u. Physiol. d. Sinnes., Vol. LIV, 1910 pp. 183-214.

child(ren) and understand,—hear). The frequency with which no response was given varied from 1.7 per cent (for tree) to 22 per cent (for understand). Reinhold studied the variation with age in the percentage (of all the responses) constituted by the most frequent responses. He found no very reliable change in this percentage throughout the 10 different grades.²⁴ It has been mentioned above that Saling found the frequency of the most common responses to be definitely higher with adults than with children. The statement was made that this result would depend upon the words used, a statement that is verified by Reinhold's failure to find more than a mere suggestion of this tendency in comparing children varying in age from 7 up to 17. Reinhold's list of words, consisting mainly of unrelated nouns and verbs, was very different from that used by Saling.

Reinhold makes some interesting observations on the value of the free association test for the diagnosis of intelligence. Dividing each of his ten classes on the basis of school performance into halves, an upper and a lower, he finds no correlation between intelligence and the tendency to give sound associations, that is, associations where stimulus word and reaction word show similarity in sound. This finding contradicts one of Meumann's propositions.25 Reinhold is, in general, skeptical of the value of the free association method for the diagnosis of individual ability. He points out that the reaction type is not always constant, but is easily and extensively modified by slight and unknowable influences.26 For example, a school girl, who upon first testing gave 15 per cent of sound associations, upon second testing gave only 5 per cent, while another gave at first testing only 2 per cent, but upon retesting gave 75 per cent.

Goett²⁷ interested himself mainly in the use of free association tests for the diagnosis of mentally abnormal children, but, for the sake of comparison, studied normal children as well. He

²⁴ Op. cit., p. 184.

²⁵ See p. 6, no. 4.

²⁶ Op. cit., pp. 213-214.

²⁷ Goett Theodor, 'Assoziationsversuche an Kindern,' Ztsch. f. Kinder-heilkunde, Originale 1, 1911, pp. 241-345.

studied individually and by the oral method, using a list of 100 stimulus words, 52 children, between 8 and 14 years of age, of whom 24 were normal, 12 not quite normal, and 16 feeble minded, epileptic or hysterical. He did not ask for introspections as he thinks them unreliable when obtained from children.

He gives first his results with normal children. He states that the reaction words themselves, regarded as such, and without respect to their relation to the stimulus words, have little interest. However, he notes the not infrequent presence in normal children of reactions by phrases, of faulty reactions, including both cases of no response and senseless response, and of perseveration, noting particularly the perseveration of prefixes, e.g., un and of suffixes, e.g., the German ig. As regards the relation of the responses to the stimulus words, Goett distinguishes between inner associations, or associations by conceptual relationship, e.g., ocean,—sea, horse,—animal, and outer associations, or associations by spatial and temporal contiguity, e.g., ocean,—ship, horse,—wagon.28 Three-fourths of the children's reactions are found to be inner associations. Within the inner associations, he distinguishes three types, which he calls the predicative, the coordinating (including the contrasting) and the word compounding. The latter two types stand in a relation of opposition to the predicative. Like Jung, he defines the predicative associations as "all judgments, characteristics or activities that are in any manner related to the stimulus word as subject or object."29 The following are illustrations of this type: glass,-brittle; father,-good; good,-father; tooth,-protruding; and sing,—song. This class constitutes 41 per cent of all the children's responses, or over half of the inner associations. For children under 12 years they constitute 50 per cent of all associations, while for children over 12 years they form only 33 per cent. A further very interesting finding is that the percentage of these predicative associations varies with the social class to which the children belong.30 We reproduce the figures:

²⁸ Op. cit., p. 266.

²⁹ Op. cit., p. 272.

⁸⁰ Op. cit., p. 273.

	Children	Children
	under 12	over 12
'Proletariate'	60%	40%
'Better circles'	30%	25%

With psychopathic children, Goett finds the free association test to be of decided diagnostic value. He mentions several features which he regards as characteristic of the associations of the feeble-minded. As compared with normal childlen, they are slower; they show more perseveration; they give a larger percentage of predicative reactions; they react more often with phrases instead of a single word, and persist in this form of reaction in spite of instructions to react with a single word.31 All the features which Goett mentions as differentiating the feeble-minded from the normal, he also mentions as differentiating the younger children from the older. On the other hand, he finds that rhymes, word-completions, citations and simple contrasts very seldom occur with the feeble-minded. In only one of his cases, and that a case of moral rather than intellectual defect, did he find instances of association by contrast.³² These findings are in opposition to those of Wimmer,33 and are interesting in connection with the comment above regarding Meumann's conclusions.34

Rosanoff and Rosanoff³⁵ published a study in 1913 designed to answer the question, "At what age in childhood or in youth do the associational tendencies, as they are observed in normal adults, become fully developed, and what is the rate and manner of their development?"36 Using the Kent-Rosanoff list of 100 words, they obtained the responses of 300 school children, twenty-five of each age from 4 to 15 inclusive.

"In making the tests the technique as originally presented

³¹ Op. cit., p. 327.

³² Op. Cit., p. 324.

³³ Wimmer, A., 'Uber Assoziationsuntersuchungen, besonders schwachsinniger Kinder, Monatsschr. f. Psych. u. Neurol., Vol. XXV. 1909. pp. 169-268.

³⁵ Rosanoff, Isabel R., and Rosanoff, A. J., A Study of Association in Children,' Psych. Rev., Vol. XX, 1913, 43-89.

³⁶ Op. cit., p. 43.

could not in all cases be followed exactly; the best way seemed to be by asking the child, after his confidence had been gained and he had become composed, 'What does table make you think of?' Failing to obtain a response some other word would be selected: 'What does music make you think of?' or 'What does black make you think of?' In this way, eventually, a response was obtained, and it was then possible to proceed with the stimulus words in their proper order."

"Many of the stimulus words often evoked either no response at all or only some such response as 'I don't know that' or 'Mamma never taught me that'; . . . Such instances were recorded as failures of reaction, but at the conclusion of every test the stimulus words to which no responses were obtained were given again with a view to reducing the number of failures of reaction in every case to a practical minimum." 37

The association records obtained from the children were analyzed in accordance with the Kent-Rosanoff classification. Any response occurring only once in one of the Kent-Rosanoff frequency tables for adults is regarded as an individual adult association, unless it is a grammatical variant or derivative of some other word in the table, in which case it is called a 'doubtful' reaction. The percentage of individual reactions in the Kent-Rosanoff adult frequency tables is 6.8. This means that to each of their stimulus words, there occurred, excluding doubtful reactions on an average 68 responses with a frequency of only 1. Now the data obtained with children were classified according to the same rubrics, using the adult frequency tables as a standard.

Any reaction given by the children which did not occur at all in the adult frequency tables was classified as individual. This procedure is of value only in shedding light on the particular problem asked by Rosanoff and Rosanoff, as to when the associational tendencies of children become like those of adults. It will not determine whether children give more individual associations than adults. An individual association in the case of an adult means an association not given by other adults. That it may not be given by children does not make it an individual association association association and the case of an adult means an association not given by other adults.

⁸⁷ Op. cit., p. 44.

ciation. For example, the association, stomach,—organ, has a frequency of 81 in the Kent-Rosanoff table, and the association, hand,—foot, a frequency of 204. Neither of these associations occurs at all in our children's tables. Now for adults, these associations could not be classified as individual. Many such illustrations could be given.

Similarly, an individual association in the case of a child should mean an association not given by other children, and should not be called individual merely because it does not occur with adults. We could give a long list of associations which have a frequency of 10 or over in our children's tables but which do not occur at all in the Kent-Rosanoff tables, and which would, consequently, have to be classed as individual associations if we followed the procedure of Rosanoff and Rosanoff. The following are a few illustrations, with the frequencies found in our children's tables: bread,—slice (13); boy,—trouser (16); moon, -face (13); street,-lamp (41); spider,-spin (10); beautiful, -doll (30); red,-lantern (13); working,-clothes (15); sour,—cream (52); loud,—cry (29); and carpet,—dirty, (35). Any procedure which classifies such children's associations as individual, merely because they are not found in the Kent-Rosanoff tables, even though it may be of aid in answering some particular question, is evidently far from satisfactory.

Even had Rosanoff and Rosanoff compiled children's frequency tables from their data, which they did not, it would have been impossible to reliably compare adults and children with respect to individual associations, because of the difference in the size of the groups. A frequency of one in a total of one thousand is a different thing from a frequency of one in a total of three hundred. The natural expectation would be that as the size of the group increased the absolute number of individual reactions would increase but that the percentage of such would decrease. This would be the natural result because of the principle noted by Saling that there is a tendency among normal persons to respond to any stimulus word by one or another of a fairly small group of words.³⁸ The impropriety of comparing

⁸⁸ Op. cit., p. 14.

percentages from association frequency tables based on widely different numbers was fully stated by Reinhold³⁹ and proved statistically by Dauber.⁴⁰

Passing from the consideration of methods to that of conclusions, we find that the Rosanoffs state as their main conclusion that, "as compared with adults, children, especially those under eleven years of age, give a larger number of doubtful and individual reactions and of failures of reaction, there being a corresponding reduction of common reactions."41 They state further that, "All the characteristics by which test records of children differ from those of adults are most marked in the youngest children, grow less marked with advancing age, and become practically obliterated at the age of eleven years." Now the Rosanoffs have compared children and adults only with respect to the following characteristics: individual and doubtful reactions and failures of response. Their statement, then, to the effect that at the age of eleven years all characteristics of association in children are the same as in adults is evidently much too broad. We emphasize this point, because we believe that the characteristics in which the Rosanoffs have compared adults with children so far from being all-inclusive, are, in fact, comparatively unessential, technical42 matters,—what Goett calls the 'by-products'

Wenn man die Zahl der Versuchspersonen immer weiter vermehrt, tritt infolge der Beschränktheit des Sprachschatzes und auch schon infolge der Beschränktheit der Anzahl der bekannteren Wörter schliesslich der Fall ein, das es den neu hinzukommenden Versuchspersonen unmöglich oder wenigstens schwierig ist ein neues Reaktionswort zu nennen. Sie werden infolgedessen genötigt sein, um so mehr übereinstimmende Wörter zu nennen, je mehr die Zahl der Versuchspersonen wächst. Es ist daher nicht richtig, wie Wreschner es tut, die Zahl der bei einem Reizwort vorkommenden verschiedenen Reaktionswörter in Prozenten anzugeben." Op. cit., p. 186.

⁴⁰ Dauber, Johann., 'Ueber bevorzugte Assoziationen und verwandte Phänomene,' Ztsch. f. Psychol. u. Physiol. d. Sinnes., Vol. LIX, 1911, Table 8, p. 196.

41 Op. cit., p. 88.

⁴² Whipple writes as follows: The author (Whipple) is inclined to believe that here, as in not a few other instances in which children differ from adults in psychological tests, what we are really bringing to light is an inability of the children to understand the instructions or disclination to follow them if they are understood."—'Manual of Mental and Physical Tests,' Part II, 2d ed., 1915, p. 62.

of the association experiment.⁴³ We should say that the main comparison, and the only one which could really utilize all the data of frequency tables, was a comparison of the response words of children with those of the adults, to see whether these responses were the same and to what extent their frequency was the same. This the Rosanoffs have not attempted.

In conclusion, we shall mention three recent studies designed to show the value of free association experiments in the diagnosis of feeble-mindedness and the determination of mental age. These are the studies of Eastman and Rosanoff, Otis, and Römer.

Eastman and Rosanoff,⁴⁴ after a study of 253 subjects selected on the basis of backwardness in studies as rated by teachers, conclude that states of arrested mental development present certain fairly characteristic associational tendencies. These tendencies are characterized mainly by failures of reaction, non-specific reactions, e.g., person, man, article, nice, use, etc., and certain types of individual reactions.⁴⁵

Otis⁴⁶ studied 132 mentally defective children and 202 normal children by the Kent-Rosanoff association test. In the case of normal children, an unusual variation in procedure consisted in testing two children at the same time by the oral method. It is said, however, that the type of response was not affected by this method; that if a child tended to reply by associations of a certain type, he would continue to do so even though his neighbor were replying by associations of a different type. It is said, also, that the general result was not affected by the personality of the examiners, two of whom cooperated in giving the tests. Otis distinguishes five types of response,⁴⁷ as follows:—(I) Repetition of stimulus. If 50 per cent or more of a child's reactions

⁴³ Goett, Th., 'Associationsversuche an Kindern,' Ztsch. f. Kinderheilkunde, Originale 1, 1911, p. 258.

⁴⁴ Eastman, Frederic C., and Rosanoff, A. J., 'Association in Feeble-Minded and Delinquent Children,' Amer. J. of Insanity, Vol. LXIX, 1912, pp. 125-141.

⁴⁵ Op. cit., p. 141.

⁴⁶ Otis, Margaret, 'A study of Association in Defectives,' Journ. of Educ. Psychol., Vol. VI, 1915, pp. 271-288.

⁴⁷ Op. cit., p. 275.

are the repetition of the stimulus word, the child belongs to this type. (II) Non-logical. This means that words are given at random without connection with the stimulus word. (III) Sound The reaction word is connected by sound with the stimulus word. It may be either a word or neologism. (IV) Reaction consists of more than one word. This may be a noun with modifier, a phrase or a complete sentence. (V) Reaction one word, normal type. At least 50 per cent of these reactions must be found in the frequency tables of Kent and Rosanoff. Type I (repetition of stimulus word) is common in normal children of 4 or 5 years of age and in defectives of 2 to 6 years mental age. Type II (non-logical or incoherent) occurs in normal chilldren or 4 to 8 years of age, and in defectives from 3 to 5 years of age. It is commonest in normal children of 5 years. Type III (sound reactions) appears sporadically. Type IV (reaction consists of more than one word) occurs in normal children from 4 to 8 years of age, and in defectives from 4 to 10 years of mental age. Type V (reaction one word, normal type) occurs in both normal and defectives as early as the age of 4 but is not established as the prevailing type much before the age of eight.48

Our comment upon this work of Otis, as upon that of Rosanoff and Rosanoff, would be that it deals merely with by-products of the association test. From our viewpoint, the main thing she establishes, so far as the psychology of association is concerned, is that children under 8 are too young for the Kent-Rosanoff test. We would also criticize strongly the use of the Kent-Rosanoff adult tables for the determination of the normality of children's responses (see Type V).

Römer⁴⁹ is interested mainly in the use of the favorite, or most frequent, responses as a possible means of the diagnosis of feeble-mindedness. He obtained free association responses by the oral, individual method from 120 mentally retarded children, children of the Hilfschule of Würzburg, between the ages of 7.3

⁴⁸ Op. cit., p. 282.

⁴⁹ Römer, Fritz, 'Associationsversuche an geistig Zurüchgeblienbenen Kindern,' Forschritte d. Psychol. u. ihrer Anwendungen, Vol. III, 1914, pp. 43-101.

and 15.6 years. For comparison, he obtained data by written class responses from 441 normal, school children from 7 to 14 years of age. His conclusions bear not only on the favorite responses, that is, those of highest frequency, but upon all responses of a frequency over one, which we may designate common responses. He finds that with retarded children the favorite responses are different than with normal children, and that, except in cases where the stimulus word is a numeral, their frequency is less. The frequency of the favorite responses increases with the chronological age of the normal children and with the mental age of the retarded children. It will be remembered that Reinhold did not find much regularity in the relation between the frequency of the favorite responses and age, but Römer thinks that it is definite enough to give value to free association as an intelligence test. He reckons, for each child, what percentage of his reactions consists of favorite responses. He then calculates for children of each age what percentage of favorite responses is exceeded by three fourths of them. This latter percentage he calls the minimal normal percentage of favorite reactions. He then observes that the great majority of his retarded children fall below the minimum for normal children of the same chronological age, but equal or exceed that of normal children of the same mental age.50

As regards the form of the associations of retarded children, Römer notes a very frequent occurrence of sound associations, of word completions, of the formation of new words, and of perseveration.⁵¹

In justice to the authors mentioned in the preceding review, it should be noted that reference has been made only to work which bears directly upon the problem of the present investigation, that is, upon the characteristics of free association in children. We have taken no account of work that has been done on controlled association, in which the response has to be of a certain category, nor have we discussed the somewhat conflicting findings on association time. On the latter point, however, a

⁵⁰ Op. Cit., pp. 100-101.

⁵¹ Op. Cit., p. 99.

few words should be added, though it is unnecessary to attempt a detailed history.

By association time, is meant the time (usually measured by a stop watch in fifths of a second) elapsing from the pronouncing of the stimulus word until the occurrence of the subject's response. With unpracticed adults, the median association time is usually somewhere between 6 and 15 fifths of a second. With practice, this time tends to decrease towards a limit of 6 fifths of a second.⁵² Now with children of 9 to 12 years of age, the association time is on the average longer than with adults, but at the same time very irregular. We have, also, noted enormous individual variations in children's association time. In spite of the fact that association time is unquestionably greater in children than adults, it has been hard to establish any reliable correlation in children between association time and age, mental or chronological.

In the case of adults, when any association requires considerably longer than the average association time of the individual, this association has unusual significance. It has been shown that such lengthened times are often due to the stimulus word being connected with strongly emotional complexes. Even in adults, however, there are other factors than emotional connections which tend to lengthen the free association time. On this point we may well quote from Wells.

"The free association time is exactly what its name implies, a measure of associative freedom. This involves a freedom of presentation, of selection, of expression. We obtain uniformly short association times in those individuals in whom all these processes are comparatively free. Where longer times are found, obstruction of some sort is indicated. . . . This is as far as the unsupported association time will carry one. It remains then to become acquainted with the nature of the obstruction. Where it is found, it must not be incontinently set down to emotional factors, but the roles of suppression, indecision, and the like, must be carefully compared and weighed by the best avail-

⁵² Wells, F. L., 'Practice Effects in Free Association,' Amer. J. of Psychol., Vol. XXII, 1911, p. 13.

able means. Then only do the differences in association time assume their complete significance for the test, which is the most searching of all psychological experiments, and gives more coercively than all others, a paradigma of the subject's mental habits."58

There is little data on the causes of lengthened association times in children, but it seems probable that they are so very frequently connected with lack of familiarity with the stimulus word or with inability of the stimulus word to call up any associated word, that they have not the same value as with adults.

In conclusion, we may summarize briefly the present status of our knowledge of children's associations as compared with those of adults. Only two investigators have undertaken any systematic comparison of the association types of children with those of adults. These are Ziehen and Wreschner. Ziehen's main result, which is very important, consists in the determination that children make much greater use of concrete images and much less use of abstract ideas than do adults. Wreschner arrives at a number of interesting differences in association type between children and adults, but he used only two children, the oldest of whom was only 5¾ years of age.

In additions to the comparisons of Ziehen and Wreschner concerning association types, we have those of Saling and of Rosanoff and Rosanoff. Saling compared her results in children with those of Thumbe and Marbe and found that the most frequent response had a higher frequency with adults than with children. We have pointed out that this result was likely due to the peculiarities of the list of stimulus words used. Our own investigation emphatically fails to support the general validity of Saling's conclusion. Rosanoff and Rosanoff conclude that children give more individual associations than adults, but we have shown that their procedure was not capable of throwing any light on such a matter, but merely established that children's associations are different from those of adults. It does not tell us how they are different.

⁵³ Wells, F. L., 'Some Properties of the Free Association Time,' Psychol. Rev., Vol. XVIII, 1911, p. 23.

CHAPTER III

PROCEDURE

I. Oral and Written Responses.

The review of previous work in the preceding chapter has shown that various procedures have been used by different investigators. All these procedures agree, however, with the possible exception of Ziehen's and Rusk's, in that they call upon the subject to respond with the very first word called up by the stimulus word. The stimulus word has nearly always been given orally and the response either written or spoken, written when groups of children were used and spoken when the children were taken individually. In most of the more extensive investigations of children's associations, the children have been school children, who were taken in classes; and in such cases, the responses have been written. Written responses were used by Meumann, Saling and Reinhold. Römer used written responses with his normal children and oral responses with his mentally retarded children with whom he compared them.

So far as can be observed from the results reached, it matters little whether one uses the oral or written method. The main difference seems to be that with the written method cases of no response are more frequent, though the number of such obtained with the oral method depends greatly upon details of the procedure, such as the time allowed for a response and the patience, manner, suggestion and urging of the experimenter. The written method commends itself in statistical investigations because of the great saving in time and the greater uniformity of conditions. If a child hesitates, there is no extra waiting and no suggestive questioning,—no tendency to give him the word a second or a third time. We have, consequently, used the written method in obtaining data for the present frequency tables.

Since, however, the Kent-Rosanoff adults' tables were obtained by the individual oral method, we have checked up our results by compiling additional frequency tables for the first nine words from data obtained individually, by the oral method, from a thousand additional children. The results obtained by the oral method are given in full in our children's frequency tables, the frequencies obtained orally being distinguished from those obtained in writing by being in parentheses.

It does not require more than a cursory examination to see that in general the written and oral results run parallel. same differences exist between adults and children whether we use the oral or the written data,—at least so far as the conclusions of the present monograph are concerned. One need not be surprised that in particular responses great discrepancies exist between the oral and written results. One must keep in mind the unreliability of the obtained frequencies. If one should compile another adult frequency table and compare it with that of Kent-Rosanoff, it would be very surprising if marked discrepancies were not found. Now it is very hard, without making certain questionable assumptions, to calculate the probable errors of the frequencies obtained in these tables. We have calculated, however, that less than 20 per cent of the discrepancies between our oral and written results can be reliably regarded as due to anything else than errors of sampling. On the whole, the oral and written results agree to a sufficient extent to indicate that the differences which are later pointed out to exist between children and adults are independent of details of the procedure,—that they represent real differences in mentality and not differences due to technique. To establish this proposition beyond dispute, however, we present in Chapter IX, detailed comparisons of the results obtained orally and in writing.

2. Instructions.

The instructions were essentially the same whether we used the oral or written method. In using the oral method, the instructions were given to the entire class. The children were then sent out one at a time into another room where, without further instructions, they were tested individually. It has been the experience of previous investigators that children need some illustration of what is wanted in the test. As the illustrations given may have a strong suggesting influence, it is important that they should be given very carefully and be accurately recorded. We wrote out our instructions beforehand. They were given as follows, an eraser first being taken from the chalk tray and held up before the class:

"If I were to ask you for the very first word that comes into your minds when I hold up this eraser, some of you would probably say, 'chalk',—'blackboard',—'write',—or 'school',—while others might think of the color, 'red', or 'blue'; or of the material of which it is made, as, 'felt', or 'wood'. Still others of you might remember that just before recess or noon you worked arithmetic on the blackboard, and that your work had to be erased before you could be dismissed,—and so to you, the sight of an eraser might suggest the word 'play',—'home',—'dinner',—or 'recess'.

"Now let us take another word, and I'll give you a quarter of a minute, by this stop watch, to think before raising your hands. What would you think of first if I said 'clock'? (Fifteen seconds allowed) Ready."

Instantly hands go up, and the responses are called for. The variety of responses serves well to illustrate what is wanted, and inspires confidence in the pupils. It also gives the experimenter a chance to correct any who reply with a phrase in place of a single word, or who merely repeat the stimulus word.

After this, instructions were continued, exactly as follows, for the written responses; and with the obviously necessary changes for the oral:

"What you are to do now, is this. I will give you a large number of words, but instead of telling me what they make you think of, I want you to write on some blanks I have here, the very first word that comes to your minds when I give you a certain word,—such as 'clock' that we just talked about."

Blanks, already ruled, are then passed, and the instructions for writing are given:

- 1. Write just one word on each blank.
- 2. That one word must be the very first word you think of.
- 3. Never write the word I give, for you will not have time.

4. If you do not think of anything when I give a word, leave blank the line on which it should have been written.

5. If uncertain how to spell a word, spell it by sound.

Just before beginning the experiment the following questions were asked, to be answered in chorus.

(1) Are you going to write the word I pronounce? (No.)

(2) How many words are you going to write on each blank? (One.)

(3) If you should think of two or three different words, which one would you write? (The first.)

3. Choice of Stimulus Words.

As we desired to compare our results with those of Kent and Rosanoff, we naturally used the same stimulus words. The data obtained by Rosanoff and Rosanoff had already shown, however, that some of the words were too hard for children. This was shown by the large number of failures to respond to some of the words. We accordingly added twenty words which seemed more appropriate for children, so that we worked with a list of 120 stimulus words. The words added were the following:-fun, school, ice, dog, friend, orange, mouse, finger, circle, kiss, bird, money, laugh, garden, ghost, flag, milk, pencil, stork, and candy. Of the 100 Kent and Rosanoff words, there were only ten, however, that gave over 20 per cent of failures to respond. We decided, therefore, to reject only those ten words and to use the results of only ten of our twenty new words in their place. Our frequency table, consequently, consists of one hundred words, ninety of which are identical with those of Kent and Rosanoff. Our comparisons of adults and children will be limited of course to these ninety words. The remaining ten Kent-Rosanoff words we regard as too unfamiliar to children to allow of satisfactory results.

The words rejected and substituted were the following:

Kent-Rosanoff Word	s New Words
Not Used	Substituted
12. mutton	fun
13. comfort	school
19. command	candy
32. citizen 45. trouble 56. justice 59. health	stork
45. trouble	garden
56. justice	flag
59. health	laugh
61. memory	milk
73. religion	ghost
76. bitter	friend

Of the ten Kent-Rosanoff words rejected, seven were found by Rosanoff and Rosanoff to give the largest number of failures of response, and the remaining three were also found by them to give failures comparatively often.¹ Since the words rejected by us were those which we found to give the largest number of failures of response, there is substantial agreement here between our results and those of Rosanoff and Rosanoff. In our children's frequency tables we have given the stimulus words the same numbers they have in the Kent-Rosanoff tables, and substituted our ten new words for theirs in the order indicated above.

4. Treatment of Failures of Response.

When it came to comparing children with adults, the presence, in the case of the children, of a large group of failures of response with most of the stimulus words created something of a problem. In the Kent-Rosanoff adult tables, there are no cases of no response. It seemed improper to compare frequencies based on 1,000 adult responses with frequencies based on, say 900, children's responses. What we did, was to take enough additional responses to total one thousand actual responses, not including failures to respond. In order to have the material for this, we used 200 additional children, and, after arranging their blanks in haphazard order, counted down as far as necessary to get a number of responses equal to the number of failures of response with the stimulus word in question. We proceeded similarly with the oral data, fillling in failures of response from

¹ Psych. Rev., Vol. XX, 1913, Table III, p. 47.

additional oral data. Our children's frequency tables are thus made up on the basis of one thousand actual responses.

These additional responses, substituted for the failures of response, we usually found to consist largely of the same words already obtained as responses, but they included always a number of new responses. That this filling-in procedure is not open to any material objection appears evident from the comparison we have made of the frequency tables obtained by the oral method, with which the number of failures of response was quite small, and those obtained by the written method. In general, then, it is probable that if the responses had been obtained from those children who did not respond, their responses would not differ strikingly from those of any other equal number of children.

The number of failures of response in one thousand children for each of the 100 stimulus words is given in the accompanying table. The data for the oral responses are given in italics.

TABLE	SHOWING	NUMBER	OF	FAILURES	OF	RESPONSE	TO	FACH	STIMULUS	Worn
T. C. E. P. P. P.	DITTOMITTED	TACHER	O.E.	THILLMES	0.5	TOU DECEMBE	40	2000 0 22	DIIMULUS	TT ORD

1.	Table	(11) 38	26.	Wish	122	51.	Stem	65	76.	Friend	174
2.	Dark	(28) 124	27.	River	18	52.	Lamp	22	77.	Hammer	34
3.	Music	(16) 22	28.	White	81	53.	Dream	108		Thirsty	92
4.	Sickness	(33) 90	29.	Beautiful	39	54.	Yellow	49		City	109
5.	Man	(60) 73	30.		21		Bread	38		Square	184
6.	Deep	(36) 62	31.	Rough	127		Flag	63	81.		79
7.		(37) 87	32.		82		Boy	87	82.		91
8.	Eating	(11) 61		Foot	97		Light	90		Loud	
9.	Mountain		34.	Spider	111		Laugh	117	84.	Thief	187
10.		60		Needle	37	60.	Bible	70		Lion	79
11.		102		Red	115		Milk	25		Joy	107
	Fun	65		Sleep	78		Sheep	83	87.	Bed	31
	School	0		Anger	109		Bath	39	88.	Heavy	141
	Hand	102		Carpet	66	64.		23	89.		43
15.		175	40.		120		Swift	44		Baby	92
	Fruit	44	41.	High	98	66.		58	91.	Moon	97
17.		112		Working	118	67.		103		Scissors	29
	Smooth	161		Sour	107		Priest	114		Quiet	114
19.		59	44.		97		Ocean	38	94.		66
	Chair	89	45.		41		Head	126	95.		172
	Sweet	109	46.		39	71.		24	96.		59
22.		100	47.		57		Song	89		ping	117
							Ghost	149	98.		
23.		123		Hard	175					Blossom	65
24.		124	49.	Eagle	42		Whiskey	83	99.		59
25.	Slow	172	50.	Stomach	95	13.	Child	87	100.	Afraid	92

5. The Selection of the Children.

The children used in this investigation were all from 9 to 12 years of age, inclusive, and in either the 4th or 5th grade. Moreover, no children of 12 in the 4th grade were included. The children were therefore normal children. The number of children of each age composing the one thousand children used in

the written work was as follows: 9 yrs., 236; 10 yrs., 327; 11 yrs., 293; 12 yrs., 144. The two hundred children whose responses were used to fill in cases of no response were distributed somewhat the same, as follows: 9 yrs., 40; 10 yrs., 71; 11 yrs., 56; 12 yrs., 33.

Of course, it would be desirable to have a frequency table for each different age, or for as many different ages as possible. We believe it unlikely, in view of the enormous labor of compiling such tables, that any individual would undertake to compile several of them. It was thought that the four ages in question might be fairly satisfactorily grouped together. We have, however, tabulated the results for the different ages separately. Data as regards the most frequently given responses are given in Chapter V. As will be seen, the agreement for the four ages is marked. It extends throughout the whole of the frequency tables. Compared with the differences between children and adults, the differences between 9 and 12 year old children are very slight.

There were several reasons which influenced us to use the ages of 9 to 12. It seemed to us that children of 8 or under were really too young to carry out the directions that go with the free association test. We were confirmed in this opinion by the study of Otis, which appeared while we were carrying on our work.² On the other hand, the results of Meumann and, to some extent, perhaps, those of Rosanoff and Rosanoff, suggested that, beginning at the age of 12 to 13, the associative tendencies of children begin rapidly to approach those of adults. Moreover, we had to consider that children in grades lower than the fourth have hardly sufficient control over the process of writing to be able to write their responses, and 9 years is the youngest age occurring with any considerable frequency in the fourth grade.

The children were all Minneapolis school children, and the tests were all given in the fall of 1914. Ten different schools were included, scattered in various sections of the city. In each school, four classes were used, the B 4th and A 4th, and the

² See our account of 'Previous Work', Chapter II, p. 19-20.

B 5th and A 5th. The question might now arise whether results obtained in one city are as truly representative of the population in general as are the Kent-Rosanoff results obtained in various places in the East. We believe that they are fully as representative, because nearly all children of the ages we used are in school and therefore families of all classes and occupation are represented in about the right proportion. However, it may be well to keep in mind that these children are all city children and to be on the lookout for local influences. To the word river, we obtained the response Mississippi (which flows through Minneapolis) seventeen times and the name of no other river more than once. The Kent-Rosanoff results show just as much local color however, since to the word river they obtained the response Hudson thirtythree times, East, four, Mississippi, eight, and no other river more than once.

The children were of nearly all the nationalities commonly represented in the United States. They were asked to write the nationality of their parents upon the back of their blanks. The data obtained are shown in the following table:

NATIONALITIES

123 American

1 Armenian

6 Austrian

1 Austrian-American

1 Austrian-Servian

24 Bohemian

1 Bohemian-American 1 Bohemian-Norwegian

3 Canadian-American

1 Danish

2 Danish-German

3 Danish-Norwegian

I Dutch

3 Dutch-American

3 Dutch-Swedish

33 English

7 English-American

1 English-Bohemian I English-Swedish

1 English-Swiss

5 Finn

30 French

4 French-American

1 French-Bohemian

I French-Dutch

12 German-Swedish

1 Greek

67 Irish

17 Irish-American

2 Irish-Bohemian

1 Irish-Canadian

1 Irish-Chinese 13 Irish-English

I Irish-German-English

I Irish-Norwegian

I Irish-Polish

3 Irish-Swiss 8 Italian

I Italian-English

3 Jewish 68 Norwegian

9 Norwegian-American

3 Norwegian-English

... I Norwegian-Scotch-Irish

23 Norwegian-Swedish

46 Polish

1 Polish-Russian

3 Polish-Slavonian

34 Russian

10 Scotch

	French-German	
II	French-Irish	
3	French-Norwegian	
5	French-Scotch	
1	French-Scotch-Irish	
3	French-Swedish	
90	German	
20	German-American	

20 German-American 4 German-Bohemian 1 German-Canadian 1 German-Dutch 1 German-Icelander

17 German-Irish
11 German-Norwegian
14 German-Polish

German-Roumanian
 German-Russian
 German-Scotch
 German-Scotch-Irish

10 Scotch-American
6 Scotch-English
1 Scotch-German
17 Scotch-Irish
1 Scotch-Norwegian
2 Scotch-Swedish
3 Scotch-Welsh
10 Slavonian

114 Swedish
11 Swedish-American
1 Swedish-Danish

I Swedish-French-German
I Swedish-Irish

Swiss-AmericanSyrianWelsh-AmericanWelsh-GermanWelsh-Swedish

The thousand children given the oral tests were selected from the same ages and grades as those used in the written work, but from ten other schools. No record was kept of their nationality.

6. Classification and Comparison.

The question we have asked ourselves is, to what extent do children give the same responses as adults. The most complete answer to this question consists in the complete adults' and children's frequency tables. So far as possible, however, it is desirable to summarize the points of agreement and disagreement. To do this, it is necessary to study the tables from various points of view and to classify the results in various ways. The data of the frequency tables thus worked over are presented in Chapters VI to VIII.

In Chapter VI, we have attempted a somewhat elaborate comparison of children's and adults' associations according to association type. Chapter VII gives a comparison of the three most frequent responses of children and adults. In Chapter VIII, the children are compared with adults as regards the total number of responses and the number of individual responses.

The children's association frequency tables, which constitute our fundamental data, are given in Chapter IV, followed in Chapter V, by a study of the variation in the preferred reactions within the ages included in our study. In Chapter IX, we show that all the differences which we find to exist between children and adults hold whether we use the written or oral responses.

CHAPTER IV

CHILDREN'S FREQUENCY TABLES

The following tables show the frequency with which was given each of the responses to each of our 100 stimulus words. In the case of the first 9 stimulus words, for which responses were obtained orally as well as in writing, the frequencies for oral responses are given in parentheses. For all the other stimulus words, written responses alone were obtained. The total number of responses given for each stimulus word is one thousand, except in the case of the first 9 words, where it is two thousand, i.e., one thousand written, and one thousand oral responses.

For convenience in reference, we give a list of the stimulus words in alphabetical order. The order in which the list was read to the children is indicated by the numbers before the words, which correspond with the Kent-Rosanoff numbers, except in the 10 cases where we have substituted a new word in place of the Kent-Rosanoff word. Under the column headed 'Page' is given for each stimulus word the page on which may be found its frequency table.

STIMULUS WORDS

PAGE	PAGE	PAGE	PAGE
100. Afraid71	49. Eagle54	85. Lion66	18. Smooth 43
38. Anger50	44. Earth52	72. Long61	7. Soft38
	8. Eating 38	83. Loud65	46. Soldier53
90. Baby67			43. Sour52
63. Bath58	56. Flag56	5. Man36	34. Spider48
29. Beautiful .47	33. Foot48	61. Milk58	80. Square64
87. Bed66	76. Friend63	91. Moon68	51. Stem54
60. Bible58	16. Fruit42	9. Mountain 39	50. Stomach54
11. Black40	12. Fun41	3. Music35	32. Stork48
99. Blossom70		,	71. Stove61
66. Blue 59	45. Garden52	35. Needle49	96. Street69
57. Boy56	73. Ghost62		21. Sweet44
55. Bread56	40. Girl50	69. Ocean60	65. Swift 59
81. Butter65	94. Green68		
17. Butterfly .42		68. Priest60	1. Table 34
	77. Hammer .63		84. Thief65
47. Cabbage 53	14. Hand41	93. Quiet68	78. Thirsty64
19. Candy43	48. Hard53		89. Tobacco 67
39. Carpet50	70. Head61	36. Red49	
20. Chair43	88. Heavy67	27. River46	74. Whiskey 62
98. Cheese70	41. High51	31. Rough47	22. Whistle44
75. Child62	10. House40		28. White46
79. City64	67. Hungry60	95. Salt69	30. Window 47
24. Cold45	1	■3. School41	26. Wish46
64. Cottage 59	86. Joy66	92. Scissors. 68	23. Woman44
	,	62. Sheep58	42. Working .51
2. Dark34	97. King70	15. Short42	
6. Deep37	52. Lamp 55	4. Sickness35	54. Yellow55
82. Doctor65	59. Laugh57	37. Sleep49	
53. Dream55	58. Light57	25. Slow45	

THE FREQUENCY TABLES

1. TABLE

1	(2)		1		doily	0	(6)	lunch	0	(1)	sixes
0		arithmetic	2	(0)					0	(1)	sofa-pillow
1	(0)	ate	0	(2)	drawer	0	(1)	magazine	0	(1)	something
						1	(0)	map	0	(2)	spelling
1	(0)	banana	358	(331)	eat	2	(0)	marble	12	(4)	spoon
1	(0)	bicycle	0	(1)		1		massive	4	(0)	spoons
2	(1)		28	(33)	eating	2		meals	i	(1)	stable
0	(2)		4	(3)		10		meat	ô	(1)	stand
5	(0)		0	(1)		1	(0)		ő	(i)	store
5 5 5		book	0	(1)	cxampics	Ô	(1)	multiply	U	(1)	store
5	(12)		3	(0)	feet	ő			0	(1)	-4
ő		boys	0			U	(1)	multipli-			study
11		bread		(1)	floor		111	cation	0	(1)	
			0	(2)	flowers	0	(1)	my	1	(0)	
8	(2)		17	(15)	food	_			2	(1)	
2		broken	1		foot	0	(1)	napkins	0	(1)	sugar-bowl
1	(0)	butter	2		fork	0	(1)	number	7	(4)	supper
			4	(2)	forks						
1	(0)		1	(0)	frame	0	(1)		10	(17)	table-cloth
1		cake	0	(1)	furniture	1	(0)	orange	1	(0)	tape
1	(0)	candy				2	(0)	oranges	0	(1)	
1	(0)	cards	0	(1)	got		4-7		0		the
1	(0)	carpet		3-6	0	1	(0)	paper	2	(0)	things
0	(1)	center-table	0	(1)	hat	ō		pen	0	(2)	time-table
16		chair	2	(0)	high	1	(7)	pencil	1	(3)	
8		chairs	0	(13)	home	ô	(1)		î		tumblers
0		children	4	(12)	house	1	(0)		2	(0)	turkey
Ö		class	-	(12)	nouse	1	(0)		1	(0)	turkey
1		clock	0	(1)	ice-cream	9	(7)		0		twelves
43		cloth	2			10		plate	U	(1)	twos
3		coffee	1		ink	12	(7)	plates			
0			1	(0)	15	1	(0)		1	(0)	upon
	(1)		0			1	(0)	potatoes	0		use
1		come	0	(1)	kitchen-	-			0	(1)	using
0	(1)				table	0	(3)	read			
1		cooking	4		knife	0	(3)	reading	0	(1)	varnish
1		cover	10	(2)	knives	0	(2)	room	1	(0)	vegetable
7	(5)	cup				6	(2)	round	0	(1)	vegetables
4	(2)	cups	1	(0)	lady					,	
			2		lamp	2	(0)	salt	1	(0)	whittle
4	(6)	desk	1		lamps	1	(0)	sat	21		wood
2	(2)		4	(0)	large	Ō	(1)		9		wooden
0	(2)		8	(4)	leg	ŏ	(1)		0	(4)	
	(-)	room	70	(56)	legs	1	(0)		0		
22	(28)		0	(1)	light	î	(0)		3	(1)	
33	(11)		0		lighting	2	(2)		5		
	(115)		0		long	6		set	-	(25)	
120	(113)	distics	U	(1)	long	0	(15)	sit	1	(0)	written

2. DARK

					a						
49	(48)	afraid	1	(2)	dress	8	(3)	lantern	1	(0)	sad
1	(3)	alone	1	(0)	dungeon	1	(0)	lark	18	(18)	scared
0	(1)	ark	1	(0)	dusk	7	(0)	late	0	(1)	scary
0	(3)	asleep				38	(98)	light	0	(2)	school
0	(2)	awful	1	(0)	eat	2	(0)	lights	47	(21)	see
			1	(1)	eraser	0	(1)	lonely	0	(1)	searchlight
1	(0)	bark	10	(5)	evening	0	(1)	look	0	(3)	shades
0	(1)	bats				1	(1)	lost	6	(0)	shadow
28	(16)	bed	0	(1)	face		,		6	(0)	shady
1	(1)	bed-time	1	(0)	fade.	7	(0)	man	0	(1)	shoe
0	(2)	bird	0	(2)	fear	1	(0)	marble	0	(1)	shoes
80	(100)	black	0	(1)	fearful	2	(0)	mark	0	(1)	sit
1	(4)	blackboard	3	(0)	fine	2	(1)	match	6	(0)	sky
4	(3)	blue	0	(1)	fire	1	(0)	mean	6	(28)	sleep
1	(0)	board	0	(1)	flowers	1	(0)	men	0	(3)	sleeping
4	(1)	book	0	(1)	forest	1	(3)	midnight	0	(1)	50
3	(3)	brown	1	(0)	fright	1	(0)	mice	0	(1)	space
6	(0)	burglar	0	(4)	frightened	10	(9)	moon	0	(1)	spark
1	(0)	butter				0	(1)	mouse	3	(0)	star
			3	(0)	gaslight	1	(0)	moving-	1	(0)	stark
0	(2)	camp	0	(1)	geography		(-)	picture	4	(0)	starlight
1	(2)	candle		(4)	ghost	4	(0)	nice	21	(12)	stars
1	(0)	can't	0 0 5	(5)	ghosts	421	(410)	night	2	(0)	startled
0	(1)	cave .	5	(5)	gloomy	0	(2)	night-time	0	(1)	steps
0	(3)	cellar	0	(1)	go	5	(10)	no light	2	(2)	storm
1	(0)	chair	0	(3)	goods	0	(2)	noises	2	(0)	stumble
2	(1)	closet	1	(1)	green	1	(0)	not	0	(1)	sugar

1 0		cloth clothes	0	(1) (1)	grope group	6	(10)	not light	0	(1)	supper
0 5 3 4 7	(2)	clouds cloudy	4	(2)	hair hall	4		out outside	1 0 0		table theirs
7	(17)	color	1	(0)	hark	2	(0)	pale	1		tree
0		colors	0	(1)	hate	1	(0)	paper	0	(1)	trees
0		complexion corner	0		have here	0	(1)	park people	4	(0)	twilight
1	(0)	cough	0	(1)	hide	0	(1)	pitch	0		unlight
1		curtain	1		home	0	(1)	pleasure	0	(1)	upset
1	(1)	curtains	8	(0)	nouse	1	(0)	purple	0	(3)	very
3		dare	1	(0)		1	(0)	rain			
0		darkness darkroom	3	(0)	inside	0	(1)	rainy red	3		walk was
1	(2)		Ö	(4)		3	(0)	robber	0		water
0	(1)	death		-		0	(1)	robbery	0	(1)	weather
0	(1)		15	(0)	lady	29		rooms	0		white wood
1		dismal	1	(4)	lady lamp lamps	U	(1)	rooms	4		woods
								-			-
					3. M	USI	С				
1	(0)	angels	0	(2)	hard	29	(12)	nice	0	(33)	school
	(0)	angers	0	(1)	hardest	1	(0)	night	1	(0)	serenade
6		band	0		harmony	25	(5)	noise	0		sick
0		beat beating	0		harp hate	10		notes	153	(236) (54)	sing singing
ő	(2)	beats	3	(1)	hear				1	(0)	
11	(5)	beautiful	1	(0)	hearing	0	(2)	orchestra	0	(1)	
5	(48)	beauty	1	(1)	here high	19	(10)	organ	50	(37)	song-book
ő		books	Ô	(1)	history	0	(1)	paid	16	(7)	songs
1	(0)	box	0		home	0	(2)	paper	35		sound
1	(0)	choir	0	(1)	Home Sweet Home	0	(1)	pencil person	1	(1)	sounds spelling
ô		clarinet	1	(0)	hook	0	(1)	phonograph		(1)	staff
3	(0)	concert					(166)	piano	0		study
7	(1)	dance	10	(2)	instrument	1	(3)		79	(19)	sweet swell
Ó		dancing	10			Ô	(2)			(0)	SWCII
0		dinner	5	(1)	joy	81	(39)	play	0	(1)	take
0	(3)	drawing	0	(1)	keys	2	(0)	played player	0	(1)	tap teach
1		drum				1	(10)	playing	2	(10)	teacher
0	(1)		0	(11)	learn	1	(0)	plays	1 5 2 0	(0)	ticket
0		easy	17	(12)	learning lesson	1	(1)	pleasure	2	(0)	time tone
0	(1)	eraser	4	(9)	lessons	1	(1)	poor	ō	(1)	train
1	(0)	excellent	17	(1)	like line	2	(4)	practice pretty	4	(0)	tune
4	(0)	fiddle	6	(3)	listen	0	(1)	public	1	(0)	victrola
3	(2)	fine	6	(2)	loud				25	(12)	violin
0		finger	1		lovely	0	(2)	read reading	1	(10)	voice
			v			0	(2)	record	0	(4)	we
2	(1)	girl	1	(1)	melody	0		rhythm	0		whine
33		glad	0		melt merry	0		roll	0		whistle words
1	(0)	grand	1	(0)	much	i		rosy	1	(2)	work
1	(0)	great	0		music-book		(0)		0		write
2	(2)	happy	1	(1)	musician	0		scale	0	(3)	writing
					4. SIC	KNE					
1 0		able	1		duty	1		kink	0		serious
5	(1)	absent	4	(8)	dying	0	(1)	kitchen	0		sets she
1	(0)	all right	4	(0)	earache	1	(4)	lady	58	(65)	sick
5 1 2 1		alone	0	(2)	eating	3		lay	1	(1)	sickly
3		awful	2	(1)	faint	1		like lonesome	0		sipped sleep
			1	(0)	families				0	(1)	small-pox
22	(0) (17)	baby bad	3		family famine	6		man me	1 0	4-2	smother sore throat
				4-7			4-7			4-7	

105 1	(131)	bedside	1 0 0	(1)	fear fearful feeble	27 35 1	(40)	measles medicine miserable	0 1 1	(0)	sorrow sorry spoon
1		bleeding	3		feel bad	1 4		money	1	(0)	stomach- trouble
1	(0)		5	(0)	feeling	1	(0)	move	1	(1)	suffer
5 2	(2)	boys	1		feet	9		mumps myself	4	(0)	suffering summer-
0	(1)	brother	50		fever				U	(1)	time
1	(0)	bum	1		flowers	1		night	4	(2)	tomille.
0	(1)	careless			friend	1	(2)	not healthy not well	4		terrible
0	(0)	catch	2	(1)	germs	7	(3)	nurse	6	(1)	tired
0	(3)	chicken-pox child	2	(1)	girl good	1	(0)	nuts	3		too bad trouble
4	(0)	children	3	(0)	grippe	14	(9)	pain	0	(1)	tuberculosis
26		cold consump-	0	(1)	hard	0	(2)	paint pale	0	(3)	typhoid- fever
		tion	1	(1)	has	0	(1)	pall			
7		cough	0	(0) (1)	have	11		patient people	0	(1)	unhappy unhealthful
3	(1)	crying	3	(0)	head	1		person	Ö		unhealthy
3	(2)	cure	26	(12)	headache headway	2	(0)	pills	2	(2)	very
0	(1)	dangerous	6	(11)	health	1		play	2	(2)	very
1 9		dark dead	1	(0)	healthy	1 4		pneumonia	0		wan
8	(44)	death	Ô		hiccough home	0		poorly	1 2	$\begin{pmatrix} 1 \\ 0 \end{pmatrix}$	
21	(14)		0	(2)	hope				0	(1)	
5		died diet	10		hospital hot	0		quarantine quiet	34	(8) (2)	
13	(19)	diphtheria	3	(3)	house				20	(26)	well
0	(1)	disagree- able	6	(6)	hurt	4		sad sadness	2 8	(0)	white whooping-
24		disease	1	(4)		0	(1)	scared			cough
116		doctors	95	(94)	illness	42	(36)	scarlet- fever	0		woman women
1	(0)	dread.	1	(0)	in	2		school	•		
0 2		dreary	0	(1)	itches	1	(0)	school- ma'am	3	(2)	you
õ		dull	1	(0)	kill	1	(0)	see			
					5	MAN					
	(2)	- 1 - 14	2	(2)							
3	(1)	adult	3		fellow flesh	0		loud lumber	0		size skillful
1	(0)	agent	0	(1)	food				1	(0)	skin
1 3	$\begin{pmatrix} 1 \\ 0 \end{pmatrix}$	American	2		foot football	6		mad male	0	(0) (2)	
0	(1)	an	Ô		form	4	(0)	mamma	5	(0)	smoke
0	(0)	animal	0	(1)	garden	3	(2)	manhood married	0	(2)	
1	3 - 6	appearance				-	(0)	marry	1	(0)	smoking snowman
0		arms	4	(10)	gentleman	16	(11)	mean men	0	(1)	soldier
U	(1)	auto	0	(2)	goes .	0	(1)	miner	0	(1)	son spade
1		bad	2	(0)	going	0	>= ((4)	steps
0		bald bather	18	(2)	good great	5	(0)	Mr. Smith money	5		store
0	(2)	hea	1	(2)	KLOM	U	(1)	muscles	1	(2)	street
0	(1)	beggar being	5	(10)	grown-up	1	(0)	my	21	(0)	strength
0	(1)	hact				3	(5)	necktie	0		suit
57	(26)	big body book-binder	5	(4)	hair	0	(1)	negro nice	2		talk
0	(1)	book-binder	3	(0)	hands		(4)	nice	32	(42)	tall
55	(29)	DOY	1	(0)	nappy	3	(4)	office	1	(0)	tan
0	(3)	brave	2	(1)	hard work	4	(0)	old one	0	(2)	teacher
0	(1)	bravery	68	(82)	hat	1	(0)	out	1	(0)	there
2 8		burglar	7 9	(4)	he head	0 2	(0)	overalls overcoat	5	(0)	thirty
			0	(1)	height				1	(0)	took
7	(1)	cane	1 3 1	(0)	help helper	3	(0)	pa pan	5		trousers
5	(2)	cap	1	(2)	here	5	(6)	pants	-		
0	(2)	carpenter	0	(1)	hidden	7	(0)	papa parents	0		ugly
0		child	2	(0)	high hire	0	(1)	parents	1	(0)	uncle up

0 2 1 40 5 15 1 4	(1) city (0) cloak (0) cloth (42) clothes (2) clothing (28) coat (0) cold (2) collar (0) creature	3 0 0 2 6 0	(1) (2) (1) (20) (8)	human human- being hurt husband	0 4 1	(0) (38) (0) (0) (1)	people pen person plan play plow pocket policeman poor potatoes principal		(27) (0) (9) (0)	waiter walk walked walking walks watch whiskers white
0	(1) daddy (0) dark	0	(1) (0)	I ill	0			U	(1)	wife wins
0	(1) dead (1) desk (1) doctor	2	(1)	janitor	3 11 2	(2) (0) (2)	ran rich robber	8 0	(40) (17) (153)	woman women
0	(1) dog (1) dress	0		kind knitting	2	(0)	run	3	(0) (2)	worked worker
0	(0) drunk (1) dust	17	(18)	lady	1 1	(0) (3) (3)	saloon saw school	11	(23)	working working-
0	(1) eat (1) Ed (6) eyes (0) excuse	0	(1)	lame language large	Ô	(1)	see	0	(1)	man workman
0	(1) Ed	5	(4)	large	1	(0)	sew shirt	14		works write
1	(0) excuse	1	(2)	legs	8	(6)	shoes		-	
14	(4) face	1 3 2 0 2	(0)	light	1	(0)	shooting	1	(0)	yes
0	(1) family	2	(0)	little	2	(1)	shop	5	(2)	young
30	(1) fat (19) father (2) feet	0	(1)	live	0	(1)	shooting shop shovel show	1	(0)	your
0	(2) feet	ō	(1)	lame language large leg legs light likes little live living long pants	7	(1)	sick		(1)	youth
				6. D	EEP					
1	(0) a	1 2		drowning	9		ladder lake	1		seeds
5	(2) afraid (0) are	0	(1)	dug dungeon			land	1 0		serious sewer
2	(1) awful	0	(1)		7	(9)	large	0 6 1 0	(16)	
0	(1) angle-worm	0	(1)	erase	1	(0)	leap length like limp lion long lost love	0	(1)	shovel ship
1	(0) ball	17	(15)	£-11	2	(0)	like	8	(1)	sink
5	(0) barn (0) barrel	3	(0)	fall in	1	(0)	lion	1	(0)	sky sled
1 9	(0) beautiful	25	(1)	falling	12	(14)	lion	3	(2)	sleep
0	(5) big (1) billow	0	(1)	dungeon earth erase fall fall in falling far fearful feet fell	4	(0)	love	10	(1) (1)	snakes
8	(6) black	1	(1)	feet	35	(52)	low	10	(0) (1)	
4	(4) blue (0) bottom (1) bottomless (3) breath (1) breathing (0) bridge	1	(0)	fire	1	(0)	man	0	(1)	soft
0	(1) bottomless	2	(1)	fish	1	(0)	mat mine	1 0	(0)	some
0	(1) breathing	ô	(3)	forest	Ô	(1)	moderate	0	(1)	sorrow
1	(0) bridge	0	(1)	frightened	0	(3)	mud	7 2		steep
1	(U) DHIV	0			0	(1)	my	6		stream swim
1	(0) can't (1) cave	0	(0) (1)	good grass	0	(3)	narrow	0		table
5	(3) cellar	2	(1)	grave	1	(0)	nice	1		thick
0 0	(0) cloud (1) cold	21	(0)	groan ground	15		ocean	0		thin think
0	(1) color	0	(1)	grown	U		outside	1		thought
3	(1) cover (0) creek	3	(1)	hard	0	(0)	peak	2		through
0	(2) creep	1	(0)	haunt	0	(6)	peep	0	(1)	under-
1	(3) cup	1	(0)	heap	2 4		play	0		ground
	(1) cut	2	(0)	heart	4		pond	0	(1)	under- standing
12	(1) dangerous (33) dark	3	(0)	height	1	(0)	race	0	(1)	up
0	(1) darkness	0	(1)	high hill	0	(2)	reap	1	(0)	vase
12	(5) depth	257	(244)	hole	36	(30)	river	4	(0)	very
0	(5) dig (1) digging	2 8		holes	0	(1)	rocks room	3		voice
4	(5) dirt (0) dish	1		in	3	(0)) round		(162)	water
7	(4) ditch	1		inside) run	87		way
47	(2) dive (43) down	3 2	(0)	is	1 2	(0)	salt	0	(2)	wet
0	(1) dreary	2		it	3	(0	sand saw	- 5		wide wood
9	(8) drown	1	(1)	jump	2	(0) scared	11	(6)	woods
-	(2) drowned				14	(61) sea	0	(4,) work

7. SOFT

					50						
6		apple apples	1 3		feathery felt	3		linen little	3		seat shirt
	(0)	appies	0	(1)	filling	4	(0)	loft	6	(2)	silk
5		ball	3	(1)	fine	1		looked	2 0 2 4 3 3	(6)	sing.
1		banana	1	(0)	fingers	1		looking	0	(2) (6)	singing
0		bananas bathe	0		floor flour	0	233	loud lounge	4	(4)	sink sit
Ô		batting	5	(10)		4	(17)	low	3		skin
1	(0)		1		fly	•	(2.)	1011	3	(5)	sleep
1		beat	1		fresh	0	(2)	marsh	0	(2)	sleeping
57		bed	0	(1)	fruit	0		mattress	0	(1)	slippers
0	(1)	bench	20		fur	4	(1)	meat	1	(0)	alippery
0		big	1	(0)	furs	2		mellow	22 20		smooth
1		billow bind	1	(0)	girl	0	(1) (2)	melt moist	0	(1)	soap
10	2 - 2	blanket	2	(3)	glossy	4		moss	7	(3)	sofa
1		blow	7	(5)	good	1	(0)	mosses	1	(0)	softer
1		book	0	(1)	goods	21	(13)		1		softly
45		bread	5	(8)	grass	7	(3)	muddy	3		softness
6	(2)	butter	0	(0) (2)	grease	19	(3)	mush	1	(0) (1)	softy
9	(8)	cake	9	(0)	green ground	0	(12)	mushy	0 1 2 5	(0)	soup
5		candy	Ó	(5)	grounds	ő	(3)		2	(1)	sow
1	(0)	cap	0		gum				5	(0)	sponge
4	(0)	carpet				3	(0)	nest		(10)	spongy
7	(5)		0	(5)	hair	46		nice	0	(1)	spot
1		catch	1	(0)	hand	0	(1)	noise	0	(1)	spring
3	(8)	chair	6	(0)	hands	0	(1)	not	0	(1)	squash
0	(1)	chalk chicken	U	(1)	handker- chief	1	(0)	ocean	0	(1)	squeeze
1		chunk	27	(63)	hard	ô		oft	1	(0)	strong
2		clay	0	(1)	hat	0	(1)	often	0	(1)	sugar
1	(0)	clear	4	(1)	hay	1	(0)	oily	1	(0)	sunk
13	(22)	cloth	0	(1)	hazy	1	(0)		3	(0)	
0		clothes	0	(0)		0	(2)	orange	1	(9)	sweet
3	(0)	coal	1	(6)	head hear	0	(1)	pancake	1	(0)	swing
1	(0)	coats	1		heat	9	(2)	paper	1	(0)	taste
1	(0)	cold	1	(1)	heavy	0	(1)	pencil	3	(3)	tender
4	(12)	comfortable	0	(1)	high	0	(1)	person	0	(1)	that
0	(1)	cooky	0		home	3	(1)	pie	7	(1)	thin
57	(65)	cotton	0	(1)	house	1 1	(0)	pieces	1	(0)	thing
6 2	(1)	couch	1	(0)	1	138	(122)		0	(1)	tip-toe too
11	(4)	cozy	9	(2)	ice-cream	0	(1)		0		touch
0	(1)	cream	2	(0)	is	1	(i)	potato	1		touchy
1	(0)		3	(1)		2	(0)	potatoes			
39	(71)	cushion				1	(0)	press	0	(1)	us
0	/41	** .	0	(1)	jelly	6	(4)	pretty		100	
2	(3)	dirt	5	(2)	juicy	2	(0)		4	(6)	velvet
2	(5)	downy	U	(1)	jump	0	(1)		*	(3)	very
6		dress	0	(1)	kind	U	(1)	willow	0	(1)	walk
1		drink	1		kitten				6	(4)	warm
3	(0)	drinks				2	(0)	quicksand	5	(5)	water
1	(0)	dry	0	(1)	lacy	3	(7)	quiet	5 2 2 7 2		well
2	100		9	(4)	lay		143	male	2		wet
15	(28)	earth	1	(0)	lay on leaf	0	(1)	rain rest	2	(2)	white wood
1		egg	0		leather	ő	(1)	rough	9		wool
2		eraser	3	(0)	leaves	0		round	4	(0)	woolly
			0	(1)	lesson	0		rub	0	(1)	work
1	(0)	fainting	1		let	_					
0		fall	18	(32)	light	5	(7)	sand	1	(0)	you
5 15	(13)	feathers	0		lightly lightning	0 2		school sea			
13	(12)	leathers	U	(1)	ngntning	4	(0)	sca			
					8. EA	TIN	IC.				
1	(2)	appetite	2	(1)	enough	0	(2)	luncheon	0		sauce
21	(7)	apple	. 0	(2)	everybody	1	(0)	man	1 4		sheath
21	(0)	apple	3	(2)	fast	0		man meal	2		sick slow
20	(13)	ate	3	(2)	fat	2	(0)	meals	1		snow

1	(2)	appetite	2	(1)	enough	0	(2)	luncheon	0	(1)	sauce
21	(7)	apple	- 0	(2)	everybody				1	(0)	sheath
21	(7)	apple				1	(0)	man	4		sick
1	(0)	are	3			0		meal	2		slow
20	(13)	ate	3	(2)	fat	2		meals	1		snow
			0	(2)	fill	42	(40)	meat	0		something
3	(0)	baby	0	(1)	filled up	0	(1)	meeting	5	(2)	soup

0 5 0 1	(6) (3)	baker banana bananas beans	0 2 54 11	(1) (103)		1 1 5 0	(0) (2)	melon mice milk mother	6 0 0 1	(1) (1)	spoon starving steak stealing
3	(0)	beating	1	(0)	forks	0	(1)	mouse	3	(1)	stomach
2	(2)	bite biting	1 4		fresh fruit	4		mouth musk-	2 5		store
178	(152)	bread	5		full		,	melon		(1)	strong
10		breakfast	1	(2)		3	(0)	napkin	3	(2)	sugar
2	(3)	butter	1	(3)	girl girls	2	(2)	nice noon	1 29	(30)	suit supper
18		cake	39	(47)	good	0	(1)	noon-time	5	(6)	swallow
16		candy	3 2	(0)	goodies grapes	1	(0)	not	0		sweet
1		cheese	4			2	(2)	oatmeal	U	(1)	swell
0	(8)	chew	1	(0)	he	4	(3)	orange	108		table
7 3 1 2 1 4	(1)	chewing	3		healthy heart	0	(4)	oranges	2		take taken
1	(0)	clean	2	(0)	hearty	3	(0)	peanuts	3	(0)	taste
2	(1)	cook	1 0	(0)	help high	0	(1)	people	3		tasting
4		cookies	6	(8)	home	2	(0)	person pickles			teeth Thanks-
0	(1)	cooking	0	(3)	house	2	(8)	pie			giving
1 3	(0)	cracker	43	(37)	hot hungry	3	(7)	pies plate	1		there thing
						3	(0)	plates	î	(0)	things
0	(1)	delicious	1 2	(2)		0	(1)	play	0	(1)	through
0	(1)	digest dining	13		ice ice-cream	0	(0)	polite potato	0		tomatoes too much
42	(44)	dinner	0	(1)	is	25	(23)	potatoes	6	(0)	turkey
3		dish dishes	1	(0)	it	1 2	(0)		0	(0)	vegetables
1		done	2	(0)	kitchen	1		pudding pumpkin	0	(4)	victuals
6	(1)	don't		(8)	knife						
2	(6)	drink drinking	0	(2)	knives	1		rabbit raisins	6		waffles warm
1	(0)	drinks	1	(0)	let's	1	(0)	rice	1	(0)	was
51	(58)	eat	0	(2)	like	0	(1)	room	0	3 - 6	washing
1		eating-	1	(2)	live lots	1	(0)	salt	0	3-2	water we
3		house	0	(1)	lumber	1		salting			
3	(0)	eggs	4	(11)	lunch				0	(1)	you
					9. MOU	JNTA	IN				
0	(1)	air	1	(0)	fell	2	(2)	lion	0	(2)	Sheep
0	(1)	Alaska	0	(1)	flowers	ő		live	3	(0)	silver
11	(3)	Alps	0	(1)	forest fountain		(0)		2	(0)	skis
1	(0)	bad	1 1 8	(0)	frosted	1	(0)	man men	2 2 2	(0)	sledding slide
7	(3)	bear	8	(0)	frozen	3	(0)	mile	1	(0)	slippery
13	(26)	beautiful	2	(0)	fun	0	(0)	mine mineral	61	(1)	smoke snow
1	(0)	black	2	(3)	geography	ő	(1)	mines	3		snowy
0		Blue Mts.	4	(1)	glazier	0	(1)	mining	0		soft
1		bowlder breaks	0	(2)	go goat	0		Montana mount	1 3	(3)	springs squirrel
0	(2)	brick	3	(0)	goats	0	(3)	Mt. Blanc	32	(24)	steep
1	(0)	burrow	15	(6)	gold granite	1	(0)	mounted	12	(0)	stone
1	(0)	cabin	2	(6)	grass	0	(1)	mule	0	(1)	stones summit
1	(0)	California		(2)	ground	0	(1)	on	0	(3)	Switzer-
0		Canada cattle	1	(1)	hard	0		Osakis		1	and
0	(1)	cave	15	(6)	height	U	(1)	outside	0	(2)	tall
1	(0)	caves	390	(432)	high	37	(13)	peak	0	(1)	ten
0	(7)	cement	1	(0)	higher highest	13	(4)	peaks Pike's Peak	0		the
29	(50)	climb	4	(0)	highland	1	(0)	place		(1)	there
18	(12)	climbing	91	(104)	hill	1	(0)	plain	0	(5)	top
13	(2)	cold	6	(12)	hills hilly	0	(1)	plateaus	0	(2)	train travel
0	(2)	country	0	(6)	horse	0	(1)	rain	0	(1)	traveling
1	(0)	cowboy	0	(2)	house	0	(2)	range	1	(3)	tree
3		crater	1	(0)	T	2	(1)	river rivers	1	(16)	trees trolley-car
	(-)		10	(0)	ice	1	(0)	road	1		
1		dark	2	(0)	iceberg	15	(17)	rock	15	(0)	up
1	(0)	deer	8	(0)	icy	34	(47)	rocks			

0	(1) Denver	1	(0)	in	10	(15)	rocky	3	(8)	valley
4	(3) dirt	1	(0)	is			roof	10	(14)	
0	(1) donkey				0	2 - 6	горе		,	
		0	(1)	Keegan's	0		rough	0	(1)	walk
4	(0) eagle			Lake	1	205	run	1	(0)	was
0	(1) eagles	0	(1)	killing	_	(-)		Ō	(1)	Washing-
0	(2) earth		,		0	(1)	sand	-	1-1	ton
1	(0) even	1	(2)	lake	1	200	scene	0	(4)	water
	(-,	3	(1)	land	1	2.05	scenery	1	(0)	west
4	(0) fall	2	(75	large	ō		school	2	(4)	woods
1	(0) fallen	3	(0)	lava	ŏ	(1)	sec	1	(0)	work
1	(0) farther	1	(0)	light	1	(0)	she	•	(0)	

10. HOUSE

				-					
3	baby	3	covering	2	in		our.	1	stay
12	barn	1	cozy	1	indoors	1	outdoors	2	step
3	beautiful	1	cup		inside	1	over	3	steps
7	bed			1	is				stone
1	bell	1	dirty			3	paint	8	stove
.51	big	30		3	kitchen	2	painted	1	swim
2	black	5	doors			2	parlor		
3	board	1	dwelling		lady	22	people	19	table
1	boards			10	large	6	piano	1	top
8	brick	4		1	leaving	3	picture	3	trees
2	bricks	4	farm	1	light	1	place	1	two
2	build	2	fire	1	little	1	plant		
16	building	1	fog	165	live	3	plastering	2	village
		1	funny	4	lived	2	play		
4	cabin	23	furniture	13	living	6	porch	1	wall-paper
1	camp			4	lives	4	pretty	1	ward
2	carpet	2	glass	1	look			62	warm
1	carpenter	1	going	8	lumber	5	red	3	warmth
1	carpets	3	good			1	restore	3	white
4	cellar	2	grandmother	1	make	1	right	1	wide
43	chair	1	green	2	man	1	rods	11	window
4	chairs	1	gray	1	material	14	roof	12	windows
8	children	4	ground	1	men's	40	room	40	
25	chimney		9	1	mice		rooms	1	wooden
2	clean	1	heat	7	mother			5	work
1	clock	1	heavy	4	mouse	2	school		WOLK
1	close	6		4	move	1	schoolhouse	3	yard
1	coal	1	hill	1	my	14		1	yellow
4	cold	1	hollow		****	2	shingles		Jenow
2	color	39		3	neat	2	sleep		
1	cooking	2			nice	5	small		
4	cottage	5		1	night	4	smoke		
1	couch	3	hut	1	no	1	stairs		
•	e o til o ti	0			110		Stalls		

11. BLACK

1	afraid	1	crane	5	hair	5	mud	4	sky
	1 - 1	2	crayons	3	hands			6	smoke
1	back	2	crepe	. 6	hat	1	nap	1	soil
1	ball			1	hatbox	1	negro	3	soot
1	beard	315	dark	2	heavy	1	nice	1	sorrow
26	blackboard	7	darkness	6	hole	15	night	1	south
6	blue	3	danger	4	horse			8	stove
43	board	1	dangerous	4	house	1	orange	1	stoves
1	boards	1	dead					1	suit
1	book	5	dirt	2	I	32	paint	•	Dur
3	boy	42	dirty	_	ink	1	painted	1	thread
1	burnt	12	dog	1	inquire	3	pants	•	tin cad
		1	drab	2	iron	1	paper	2	veil
7	cat	63		2	is	7	pen		very
4	chalk	00	ua coo		43	13	pencil	9	very
4	charcoal	1	face	1	jacket	10	penen	3	waist
4	chimney	5			Jacket	1	racer	2	wear
2	clock	1	flat	1	kitten	î	rain	1	were
2	closed	3		4	KILLEH	3	red	27	white
9	cloth	1	funny	2	lead pencil	11	ribbon	3	
5	clothes		Lumy		lever	1.1	TIDUUII	3	woods
8	coal	1	globe		lever		ahaan	1	wool
10	coat	2	gloomy	1	mack	1	sheep	7	write
10	coke	5		1		1	shine		***
104	color	3	goods	1	men	1	shirt	3	yarn
104		1	green	1	moon	1	shoe		
1	colors	1	gray	1	mourn.	9	shoes		
4	coon			. 3	mourning	9	skirt		

12. FUN

		12. FUN		
2 bad	1 down	1 ground	3 lunch	1 sew
35 ball 7 baseball	1 drowned	4 gun	6 marbles	2 shovel 2 show
7 baseball 5 basketball	2 eat	1 had	2 money	4 skate
1 box	5 eating	16 happy	1 much	1 skates
4 boy	1 enjoy	4 happiness		11 skating
10 boys	2 enjoying	17 have	8 nice	3 sled
2 build	0 6-11	11 hide & seek	2 noise	2 slide
1 bun	2 fall	4 hockey 2 hop	2 outdoors	5 snow
1 butter	2 fell 3 fight	3 hurt	2 outdoors 1 outside	6 snowball 6 snowballs
1 can	1 finger	o mare	1 Outside	2 snowfight
1 cap	9 fishing	1 I	394 play	4 sport
4 cheery	1 food	1 it	34 playing	7 swimming
2 child	15 football		4 pleasure	
13 children	3 frolic	3 jokes	2	22 tag
1 clock	3 full	1 joking	3 race 2 ran	2 time
1 cookie	5 funny	6 jolly 29 joy	1 rat	2 toy 1 toys
3 dark	12 game	6 jump	2 read	1 1095
1 delight	38 games	. ,,	3 recess	1 very
2 delightful	1 gay	18 laugh	3 rope	
4 digging	1 girl	2 laughed	46 run	2 walk
2 dirt	2 girls	3 laughing	1 running	1 water
1 doll	4 glad	1 light	4 ashaal	1 well
9 dolls	9 good 4 goodtime	5 like 5 lots	4 school 1 see	1 window
3 doors	4 goodinae	3 1013	1 866	
		13. SCHOOL		
39 arithmetic	31 desk	18 late	18 reading	38 study
or arrenmene	20 desks	93 learn	1 reads	oo staay
1 bad	6 door	5 learning	13 recess	2 tardy
2 bell		2 lesson	1 rest	9 teach
14 blackboard	1 education	14 lessons	1 roof	44 teacher
24 book	5 eraser	1 like	16 room	6 teaching
81 books	1 6-01	1 man	4 rooms	1 telephone
3 boy 14 boys	1 fool 3 fun	1 map 3 mates	2 ruler 1 run	1 theirs 1 think
1 brick	5 Iun	3 morning	1 Iun	8 time
6 building	6 girls	6 music	6 scholar	1 trees
	29 go		7 schoolmate	2 Tuttle
1 ceiling	7 going	5 paper	1 schoolroom	
1 chair	3 grounds	17 pencil	10 seat	1 wait
5 chalk		1 pens	3 seats	3 went
101 children	1 happy	1 people	3 Sheridan	1 whole
2 classes 3 clock	2 Holmes 1 home	7 play 4 playmate	1 smart 17 spelling	1 word 68 work
1 crayon	2 hours	1 pool	3 spool	2 working
r crayon	14 house	6 pupil	1 starts	15 write
2 day			1 steps	24 writing
5 days	3 language	28 read	2 studies	
				3 yard
		14. HAND		
24	14 11		6 11	1
44 arm	14 dirty	3 have	6 nail	1 scratch
1 ax	1 doing 2 draw	1 head	3 nails 1 nice	1 sweat
3 band	1 dress	1 heart 1 help	1 nice	1 take
2 beckon	1 diess	3 her	1 o'clock	3 take hold
12 big	5 eat	1 his	1 one	1 them
2 black	4 eating	17 hold		1 there
2 blisters	3 elbow	1 hook	1 pain	5 throw
4 body	1 every	3 hurt	1 paint	3 touch
4 bone	1 eyes	3 hurts	6 palm	3 two
5 bones		4 1	1 pen	22
1 book	1 face	1 iron	7 pencil	33 use
1 breakfast 6 broad	1 fast 2 fat	1 leight	1 penny	1 used 12 useful
3 broke	2 feel	1 kind 1 kiss	1 pick 1 picture	1 using
3 broken	1 felt	1 knife	1 piece	1 using
3 brown	69 finger		1 pores	7 veins
1 busy	5 fingernail	1 land	7 pretty	
1 button	3 fingernails	2 large	1 pulling	1 was
1 by	130 fingers	6 left		5 wash
	1 first	2 leg	3 raise	1 watch

4 carry	5 five	2 lift	2 reach	13 white
2 catch	4 flesh	3 little	18 right	1 wood
8 chapped		1 long	11 ring	113 work
23 clean	1 girl	1	7 rough	6 worked
65 clock 1 cloth	4 gloves 1 go	1 man 5 meat	1 sand	6 works 4 wrist
7 cold	1 goes	4 mitten	1 sew	52 write
1 comfort	9-22	7 move	6 shake	1 writes
1 command	1 handed	2 moving	16 skin	9 writing
3 cook	1 handle	2 muscle	1 skirt	2 wrote
1 crawl 5 cut	1 handout 1 hang	2 music 1 my	11 small 10 soft	1 your
D Cus	1 mans	1 1117	8 sore	5 yours
		15. SHORT		
1 are	1 eating	1 large	1 people	2 stub
1 around		5 leg	4 person	15 stubby
12 haber	11 fat	4 legs	1 piece	4 stump
12 baby 1 bad	2 feet 13 finger	3 length 6 lesson	1 pin 1 port	1 stumpy
1 banana	15 fingers	5 letters		12 tall
8 big	3 flowers	1 life	1 quick	3 thin
5 block	1 fly	2 line	0	1 thing
5 board 1 boat	1 fort 1 fringe	157 little 1 lock	2 reach 3 ribbon	9 time 5 tiny
20 boy	1 mile	54 long	1 right	1 tree
1 brief	14 girl	1 lort	6 rope	1 try
1 broad	2 good	5 low	1 round	1 tubby
1 broke	0.1-1-	42	1 ruler	
7 cake	8 hair 5 hand	43 man 1 men	1 run	1 very
1 chalk	1 he	1 mice	1 size	2 waist
3 child	1 hook	1 minute	7 skirt	15 walk
1 close	1 hours	1 mouse	6 sleeve	1 was
4 clothes	3 house	1 my	214 small	5 way
1 coat 1 court	4 inch	3 name	1 smooth 1 sock	1 wide 3 winter
1 cut	1 inches	1 narrow	14 stick	2 woman
	1 is	1 neck	1 still	1 women
1 Dan		1 nice	1 stocking	1 wood
4 day	1 Japanese	3 night	1 stone	1 word
1 descent	1 jiffy	1 not	4 stop	1 write
8 distance 1 dog	1 ladder	1 papa	1 stork 5 story	2 you
38 dress	1 ladies	6 pants	7 stout	1 young
	1 lads	1 paper	2 strap	
1 easy	23 lady	46 pencil	15 string	
		16. FRUIT		
131 apple	1 delicious	2 have	54 orange	9 seeds
174 apples	1 delicious	1 high	45 oranges	2 spoiled
	153 eat	. 1 hot		3 strawberries
52 banana	2 eatable	2 hungry	8 peach	20 sweet
44 bananas 1 belong	25 eating	1 iom	14 peaches	1
5 berries	1 eatness 1 eggs	1 jam 1 juice	9 pear 7 pears	1 taste 1 there
3 big		7 juicy	4 plums	1 thing
1 bread	3 food			7 tree
1 butt	2 fresh	1 kind	1 quiet	4 trees
4 cake	3 garden	2 like	3 red	10 vegetables
5 California	89 good	2 look	4 ripe	3 vegetables
2 can	1 goodies	2 love	2 rotten	
1 carrots	3 grape	1 musta	2 soled	1 yesterday
1 cone	29 grapes 3 green	1 mute 1 nectar	2 salad 2 sauce	
1 delicacy	4 grows	12 nice	1 sauces	
		17. BUTTER	FLY	
0 -:-	1	4 field		£
8 air 18 animal	1 capture 5 catch	4 flew	7 insects 1 it	5 saw 3 seen
2 ant	8 caterpillar	41 flies		1 setting
	3 caught	19 flower	5 little	1 seven
2 beast	2 chase	7 flowers	1 look	3 silk
1 beating	10 cocoon	179 fly		5 small

6 b	eautiful eauty	3	color colored		flyer flying		moth	1	soft soul
4 b			colors	4	garden		net		spring
9 b		10	creature		garden golden	-	nice		summer sunbeam
57 b	read	1	dandelion		green	1	picture		sunshine
	ring		dark		6		play		
	rown		dragon	1	head		pet	1	web
14 b	oug	_			high		powder		white
	ougs		eat		honey	89	pretty		wing
54 b	outter	1	eats	1	hurt	7	red		wings worm
1 0	age	1	fast	66	insect		rich	0	worm
	age	•	1401	-		-		47	yellow
				18	. ѕмоотн				
	in't	-	desk		ice		picture	-	smoothed
4 2	apple	4	dress		in iron		pillow plain		smoother smooths
61	bed	4	easy		ironed		plane		snow
	pench		egg		it		play		soft
15 1	olackboard		eraser			1	potatoes		soothe
	poard	70	even		lake	1	pretty		stone
	oook	2	6		land	2	audite	39	straight
	xoo		face feathers		leather level	4	quilts	16	table
	bright butter		feels	1		1	right		tablecloth
	Dutter		fine		light		road	-	talk
3 (candy		flat	2	line		rock		tender
	carpet		floor		lumps		rough		thin
	cat	1	flowers				round	1	tone
	chair	11	fur		mind	1	rugged		
	clean	40	-1	-	mold	1			use
	clear		glass glossy	3	molded		sand salt	1	useful
	cloth clothes	3	good	2	neat	1	shining	2	varnish
	coat	2	grease		nice	7	shiny		velvet
	color		ground		no	1	sight		very
4	cotton					5	silk	_	
	cozy		hair	33	paper		silky		wall
	crooked		hand	5	pavement		slick slide		water
4	cup		hands hard	2	pencil		slippery		window
				1	9. CANDY				/
					9. CANDI				
2	ate	3	coughdrops	2	goods	4	marshmallow	5	soft
_		2	cream		goody	5	money		stick
	bad	0	Ann An		grocers				sticky
12	bought box	2	dandy	14	gum	2	nice nickel		store
-	boy	. 1	dog	2	2 had		nut		sugar
	bring		408		hard	2	nuts	297	sweet
3	brown	181	eat		2 hate				sweetmeats
2	burn		eatables		have	1	pastry	13	sweets
7	buy		eaten	2	2 honey		peanut	-	4
2	and-man		eating	-	in man		penny		teeth
	candy-man caramels	4	eats	9	ice cream	9	person	60	treat
	cat	1	fruit	1	2 lemon	5	person pink	1	wax
	chocolate		fudge		4 licorice		please		white
	chocolates				8 like		F		
	confectionery	1	gone		3 love	1	2 rich	1	yellow
	cookies	149	good				l round		
2	cooks	3	goodies		8 make				
					20. CHAIR				
21	arm	1	anaskad		2 have		6 nice	17	sitting
-	arms	1	crooked		2 have 8 heavy	,	o mice		small
			desk		9 high		1 on		soft
	back	1	doll's		0 house			3	stand
1	bare		down				1 pair		stool
-	bear				1 I		1 piece		straight
	bed		eat		1 iron		E want		strong
	big board		eating		1 king		5 rest 3 rock	1	supper
	book	2	easy		, wing		3 rocker	20	table
-	1								

2 box 1 boy	2 fall •	7 large 5 leather	13 rocking 9 sat	2 use 2 useful
5 broke 10 broken 2 brown		18 leg 26 legs 1 level	2 school 131 seat	1 white
2 cloth	3 good 3 grandpa	1 look 3 low	38 set 1 setting	34 wood 5 wooden
1 color 3 comfor	t 3 hair	1 nap	430 sit 2 sits	1 yellow 3 your
		21. SWEET		
45 apple	6 cookies	10 girl	17 milk	1 sick
21 apples	1 cream 1 cute	213 good 4 goodies	37 nice	1 slow 7 smell
5 baby 1 banana	1 dear	1 he	7 orange	1 something 1 song
8 banana	as 1 delicate	23 honey	26 oranges	1 sorrow
1 belove		11 ice cream	3 peas	1 sounds 23 sour
1 biscuit		1 it	3 perfume	1 stew
1 bite 1 blossor	n 13 eat	4 jelly	5 pickle 6 pie	178 sugar 1 sugary
5 butter	1 eating	8 juicy	1 play	1 sweetpea
5 bread	1 flavor	5 lady	1 potatoes 16 pretty	4 syrup
10 cake	5 flower	1 like		23 taste
3 cherrie	4 flowers 1 freeze	1 lovable 3 love	3 rich 3 rose	1 very
18 chocola	ate 3 frosting	3 lovely	4 roses	1 voice
1 coffee 1 cold	4 fruit	2 meat 1 meet	1 sauce	1 wood
		22. WHISTL	E	
1 aloud	3 engine	9 horn	5 nice	9 song
2 arreste	ed	1 Jim	185 noise	18 sound
1 bad	3 fast 2 finger	1 joy	6 noisy 6 noon	1 squeaking 6 steam
1 beckon 12 bird	ned 4 fingers 19 fire	1 kind	4 nose 1 note	1 story 1 supper
12 blew	1 frolic			
189 blow 2 blowin	4 fun	2 lady 1 let's	1 people 1 pipe	1 thistle 2 time
1 blown	4 girl	1 like	1 plow	1 tin
2 blows 79 boy	1 goat 3 good	1 likes 6 lips	7 police 1 pretty	1 tone 4 toot
24 boys	1 got	3 listen	1 pictty	21 train
1 breath 1 bristle		1 long	1 ring 1 ristle	11 tune
4 bullet	7 happy	71 loud 4 low	2 round	2 whisper
	5 hard		3 run	2 whistler
14 call 4 calling	1 has 1 have	2 make 6 man	2 scared	7 willow 22 wind
5 can	5 hear	1 mean	2 sharp	9 wood
1 canary 3 can't	3 hearing 1 help	4 merry 1 missle	2 shout 11 shrill	3 wooden 1 work
1 castle	1 her	5 morning	6 sing	1 371
5 come	1 high 1 him	16 mouth 14 music	2 singing 1 sings	1 Yankee Doodle
3 dinner 2 dog		11 name	1 somebody	
		23. WOMA	N	
4 adult	1 face	3 kiss	1 one	1 straw hat
1 arm	2 fashions 4 fat	1 laces	6 people	3 sweep 12 sweet
3 babies	1 feather	13 ladies	21 person	
5 baby 6 bake	9 female 7 furs	243 lady 3 large	1 plush 1 poor	1 tall 1 talk
4 big		4 laugh	12 pretty	1 tarts
1 blanke 5 busy	et 17 girl 4 gloves	1 legs 1 likeness	1 prize	6 teacher
	2 going	6 little	6 run	1 use
1 can 1 child	12 good 1 grin	1 living 1 look	1 say	1 useful
13 childre		1 looking	2 sewing	2 waist

3 cleans	7 hair		4 sews	9 walk
1 cloth	5 hands	1 maid	1 shawl	1 walking
9 clothes	44 hat	4 mamma	4 she	2 warm
1 club	1 hats	17 man	1 shoe	17 wash
2 coat	2 head	4 marry	3 shoes	4 washed
19 cook	1 hire	5 married	1 shopping	5 washing
3 cooking	3 home	1 me	4 short	2 washwoman
5 cooks	1 hose	2 mean	2 silk	1 way
1 crone	7 house	1 men	1 sings	1 weak
	2 housekeeper	1 mend	1 singing	1 wealthy
1 dead	1 housework	1 Miss	13 skirt	1 went
1 dies	2 Housework	53 mother	7 skirts	1 widow
5 dishes	1 it	ou mount	1 slim	18 women
5 dishwashing		2 neat	1 slow	42 work
96 dress	1 Jennie	10 nice	5 small	9 works
17 dresses	2 Jennie	10 mee	1 straight	WOLKS
17 diesses	3 kind	9 old	1 Straight	
4 eyes	o mind	2 014		
, .,		24. COLD		
5 air	10 coal	16 froze	9	63
	17 coat		8 nose	62 snow
2 awful		9 frozen	1 numb	1 soup
1 babas	1 colder	1 fuel	1 -1.1	1 stony
1 baby	13 cool	2 fun	1 old	5 stove
2 bad	37 cough	1 51	1 one	2 11
1 beng	1 coughs	1 hand	4 out	3 thermometer
1 below	1 cream	13 hands	9 outdoors	1 thing
1 bird		1 hard	3 outside	1 think
2 biting	1 damp	1 head	13 overcoat	6 today
6 bitter	25 day	1 heat		1 too
10 black	1 do	1 hold	1 pneumonia	_
1 blackboard	5 doctor	12 hot	1 pole	8 very
25 blow	3 dog	11 house		
3 bold	1 dreary	4 hunger	1 rain	25 warm
3 boy		211	1 recent	1 warming
1 breath	6 ears	84 ice	1 red	1 was
4 breeze	4 evening	3 ice-cream	4 room	5 water
1 bundle		6 icy		34 weather
12 burn	5 feel	3 illness	1 severe	7 whooping
3 buttermilk	6 feet	1 is	1 she	cough
	1 felt	1 it	15 shiver	36 wind
1 came	1 fever		5 shivering	5 windy
1 chair	9 fingers	1 Jack Frost	1 shivery	103 winter
1 chase	17 fire		4 sick	
3 child	68 freeze	1 meat	4 skates	
5 chill	40 freezing	1 medicine	6 sleet	8 zero
41 chilly	5 frost	4 mitten	4 sliding	
1 close	1 frosty	1 mold	1 sneeze	
		25. SLOW		
0 - 1	0.1			
9 auto	2 dress	2 lame	3 reading	9 time
1 automobile		25 late	3 reads	4 tired
4 awful	9 early	1 lazily	7 run	4 tiresome
	13 easy	138 lazy		2 too
2 babies	3 eating	5 lessons	2 said	1 top
1 baby	5 elephant	14 long	10 school	1 tops
2 bad	1 engine		3 sew	2 tortoise
3 balky		20 man	3 short	3 train
9 behind	65 fast	2 me	1 show	22 turtle
2 bicycle	4 faster	5 molasses	1 slack	
3 blow	3 feeble	4 move	5 sleepy	7 very
2 book	4 feet	2 moving	8 slowly	
16 boy		2 music	2 snail	21 wagon
	19 girl		1 snake	1 wait
1 can't	3 girls	2 near	2 snow	1 wake
1 cat	2 glow	1 night	1 soft	1 waken
4 child	18 go	8 not	2 something	107 walk
2 children	3 goes	2 not quick	1 song	12 walking
36 clock	4 good		1 stew	2 walks
4 come		1 oh	2 still	4 was
1 cooled	2 happy	2 old	16 stop	1 way
2 cow	1 he	14 oxen	3 stopping	31 work
2 crawl	3 heavy		1 stole	1 worker
	29 horse	3 people	1 stupid	2 working
3 dinner	2 horses	1 pig	1 sum	1 worry
5 dog	20 hurry	4 poke	5 swift	4 write
8 donkey		35 poky		1 writing
1 don't	10 lag		5 talking	
7 drag	1 lagging	4 quick	3 tedious	7 you
	00 0			

26. WISH

		26. WISH		
3 anything	3 dollar	1 harm	1 nickel	5 thing
2 apple 9 ask	11 dress	25 have 2 her	1 offer	2 things 37 think
2 asked	1 eat	5 home	1 oner	3 thought
5 asks		10 hope	1 park	2 thousand
1 at home	3 fairies	16 horse	1 pen	1 time
4 ball	64 fairy 2 father	2 horses 3 house	17 pony 4 present	2 toy 6 toys
3 bicycle	6 fish	3 nouse	2 prince	6 train
3 birthday	2 flowers	6 I		43 truè
3 boat	6 for	4 ice	1 rainbow	2
85 bone 3 book	2 fun 8 furs	1 ill 2 it	5 ribbon 9 rich	2 wagon 1 wait
4 boy	o iuis	2 11	y rich	5 wand
	5 game	2 king	2 sad	99 want
5 cake	18 get	10 11-	5 Santa Claus	3 wanted
41 candy 3 cap	7 gift 1 gladly	10 like 3 look	1 sane 2 school	4 watch 1 water
3 cat	1 go	1 lot	2 she	6 well
15 Christmas	1 going	17 luck	1 show	2 what
5 come	3 gold		12 skates	1 which
1 cone	19 good 2 grand	1 mad 3 man	4 sled 36 something	7 wishbone 2 wished
6 could	2 grand 14 grant	1 me	5 star	3 wishing
4 desire	4 guess	4 merry	2 storybook	4 witch
4 did		1 mish	3 suit	1 with
3 dish	13 had	12 money	1 4011	1 worked
3 do 16 dog	3 happiness 3 happy	1 monkey	1 tall 4 telling	2 you
46 doll	3 hard	6 nice	1 the	- 704
		27. RIVER		
4 bath	11 drown	3 high	1 ran	4 small
4 bathing	11 drowned	g	3 rapid	2 soft
14 big	9 drowning	13 ice	1 riding	30 stream
37 boat	1 6-11	1 icy	1 rivulet	6 swift
1 branches 3 bridge	1 fall 4 fast	42 lake	1 road 4 rock	72 swim 7 swimming
1 broad	34 fish	1 large	3 row	, swimming
7 brook	8 fishing	1 lime	5 run	1 that
	1 float	5 long	13 running	
4 canoe	16 flow	3 low	16 runs	433 water
1 cold 5 current	5 flowing 33 flows	17 Mississippi	3 sail	2 wave 3 waves
o current	1 freeze	1 muddy	1 saw -	1 wear
44 deep	2 frog		1 silver	10 wide
2 delta	2 froze	1 near	4 skate	1 width
2 dirty 1 dive	6 frozen	3 ocean	1 sliver 3 slow	1 Yangzte
1 dive	2 go over	o occur	o ston	. rangate
	-			
		28. WHITE		
1 air	3 collar	8 goods	1 net	1 sewing
1 angel	116 color	1 gown	10 nice	1 sheep
6 apron	1 colored 2 cotton	2 hair	1 nightgown	7 sheet 1 ship
1 baby	2 curtain	2 hands	1 old	1 ship 1 shoes
2 bath tub	a cultuin	1 hard	. 014	1 sick
5 beautiful	1 dainty	1 hat	6 paint	2 sky
1 billow	1 dark	3 horse	6 pale	65 snow
1 bird 28 black	3 dead 1 dike	19 house 1 hurt	1 pants 54 paper	1 soft 2 still
1 blackboard	3 dirty	1 marc	1 people	2 stocking
1 blue	1 do	1 ice	1 pictures	1 swan
1 board	4 dog	1 ice cream	1 pig	1 sweep
1 brave	1 draw	1 incluse	1 pigeon	1 table
3 bread 16 bright	149 dress 1 duck	1 jacket 1 jam	1 pillow 1 plain	1 table 6 tablecloth
10 Digut	1 duck	· Janua	24 pretty	1 thread
4 cat	5 face	1 kitten	4 pure	1 tight
3 chair	1 fast		1 1111	1 too
7 chalk	1 fine	1 lace 125 light	1 rabbit	1 towels
97 clean 4 clear	8 flag 1 flight	2 lovely	1 red 1 rib	1 veil-
1 cloak	1 flour		14 ribbon	1 very

61 cloth	4	flowers	1		1	right		
5 clothe	8		2	mice	1	rims	6	waist
1 cloud		ghost	7	milk			1	walls
			1		1	sail		
1 clouds		gleam	1	my	-			wear
3 coat	1	goat			1	screen		
1 coin	1	good	1	name	1	sec	2	yellow
-								
			00		**			
			29.	BEAUTIF	UL			
1 are	6	dog	7	hat	2	name	4	she
		dress	4	homely		nice		shine
an baker	20	41600		horse		niceful		silk
10 baby						meerui		
1 be		face	/	house			-	
19 beauty		fair			2	palace		stars
1 bed	1	feet	1	is	4	park	2	store
3 belle	3	fine				petticoat	7	sun
5 bird	1		1	jewelry		picture		sunset
		flower		Jeweny				sweet
1 birds	0.00		30	1. 1		pictures		
1 bright		flowers		lady	1	plant	2	swell
7 butter	rfly 1	forest	4	lake	5	pony		
1 bury	1	fountain	3	laugh	- 2	powder	1	thing
				like		pretty		tree
1	.1 4	gorden		lion				
1 carefu	0.00	garden				prince	2	
1 carria	ige 21	girl		look	4	princess	3	very
12 cat	1	glorious	3	looking				
3 child	3	good		looks	3	ribbon	2	wagon
1 class	1			love		rich		woman
		63 63		loving		ring		women
2 clean		graceful	-		3	Hing		
5 coat		grand	8	lovely		river		wonderful
14 color	3	great			9	rose	4	woods
5 cute	1	green	1	magnificent	2	roses	3	wreath
		0	2	man		4 6		
3 day	7	hair	1		2	satin	0	you
	anda 1		_				,	J 0 4
1 diamo		have	1		4	scenery		
30 doll	13	handsome	1	muff				
			30	. WINDO	W			
					• •			
8 air	2	dirty	1	icicle	5	room	A	sun
0 411			-				4	sun
		door	1		1	run		
1 ball	1	down	1	it			1	take
8 big					1	sale	1	through
1 blows	1 1	fall	2	large	1	sash		toys
1 board		frame		light	i			tree
13 break		fresh		little	2	*****	9	trees
1 breez	e l	frost	116	look		screen		
1 brick	1	frosty	2	looked	36	see	9	up
37 broke	1	froze	2	looking	1	seeing		
23 broke			8		6	shade	1	varnish
20 DIORE				TOUMOUS	2			**********
			0.4				**	
1 churc		girl		open		shiny		wash
1 class		glance	6	out	1	shot		white
6 clean		glass	4	outdoors	5	shut	5	wide
1 close		grass			9	sill	2	wind
21 cold		0.000	62	pane		stained	1	
	-	1-11						
1 coole		hall		pillow		stare		windows
1 comf		2 house	1	plate	1		1	wood
7 curta	in				1	streetcar		
1 curta		I	1	rattle	1			
			2	1. ROUGH				
			3	I. ROUGI				
0								-1.1
2 angr		decay		horrid		pain		sidewalk
2 are		dirt	2	horse	12	paper	2	skin
		3 dog	1	humpy	3	place	2	2 slivers
16 bad		doll	5	hurt		Plain		small
1 bear		door		hurtful		plaster		smooth
	1	door	, a	nuittui	2	plaster		
	1	dress				play		soft
4 big			9	ice		playing	1	
27 board	d	enemy	1	iceberg		pleasant	1	sticker
1 book		100		2 irregular		poor	11	stone
89 boy		1 fall	4	Berrar				stones
			,	Lanned		pump		
37 boys		6 fight		2 jagged				stove
2 broom	m :	2 fighting	1	2 jerky		rat	2	stumps
2 bump	P	1 file				l railway		
23 bum	DS	2 files	1	knot		red	2	table
61 bum	nv	1 flat				ribs	-	tear
or outing				language				
	1.	5 floor		2 language		2 right		I torn

1 cake 1 candy 4 careless	2 football 2 frog 3 fur	1 leather 1 line 1 logs	41 road 8 rock 4 rocks	7 tough 1 tree
1 carpet	1 fuzzy	2 lumpy	10 rocky	1 uncomfortable
1 chair	1 10223	2 lumpy	1 roof	13 uneven
1 chap	1 gentle	11 man	2 round	1 unkind
5 chapped	1 girl	71 mean	2 rowdy	2 unlevel
1 Charles	1 glass	1 meat	3 rude	2 unsmooth
7 child	1 goody	1 men	1 rug	
6 cloth	l grass	3 mountain	10 rugged	1 voice
2 clothes 1 clumsy	14 ground	5 mountains	1 rush	1
4 coarse	1 gruff	1 mouse	6 sand	1 wall 4 water
1 coat	13 hand	1 nasty	2 sandpaper	2 waters
1 cocoa	15 hands	3 naughty	2 sandy	4 waves
1 come	144 hard	1 no good	4 sea	1 wind
1 cough	1 hill	G	2 shaggy	15 wood
1 crooked	3 hit	8 ocean	1 shake	1 work
1 cut-glass	4 hitting	1 old	1 shoes	1 wrestle
		1 ouch		
		32. STORK		
1 Africa	4 chimney	3 Germany	11 long-legs	1 ship
14 animal	1 colors	1 girl		1 shoot
1 animals	1 crane	1 going	1 many	1 shot
34 babies	1 dear	1 hove	1 mean 1 meat	1 skin 1 slender
287 baby	1 duck	1 have 1 head	1 mother	2 small
11 beak	2 Dutch	9 Holland	1 mother	1 spaghetti
26 big	2 25 65 612	1 house	4 neck	1 stole
16 bill	1 eat		14 nest	1 stories
372 bird	1 eggs	1 I	1 nice	1 strange
2 bring		1 is		1 swift
1 brook	1 fast	. 1.111	1 ostrich	4 4-11
1 brother	1 feather 6 feathers	1 kill	1 plan	4 tall 1 talk
1 building	1 fish	2 large	1 plan 1 play	1 talk
1 carried	19 fly	3 leg	1 play	2 walk
2 carries	1 flies	41 legs	1 quick	3 white
1 carry	1 foot	1 life		4 wing
1 chicken	1 fork	14 long	1 river	35 wings
1 children	1 frogs	1 long-leg	1 rork	
		33. FOOT		
11 ache	1 dog	1 ladder	1 piece	1 stockings
1 afoot		1 lady	1 print	1 stool
15 ankle	1 fat	1 lame	1	1 strong
1 ball	71 feet	6 large 1 leak	1 rough 1 rule	1 swollen
3 bare	1 figure 1 fingers	79 leg	1 ruler	1 teacher
2 barefoot	1 fleet	36 legs	22 run	1 tiny
1 beat	2 flesh	1 like	1 runs	1 tired
27 big	1 football	8 little		34 toe
1 black		1 look	1 shape	81 toes
11 body	4 go	1 loot	73 shoe	1 track
10 bone	1 go on	11 long	8 shoes	1 twelve inches
1 bones 1 boot	1 had	1 lumber	1 shot 5 skin	1 useful
1 boots	5 hand	12 man	1 slipper	1 userui
1 bottom	5 hands	1 march	7 small	205 walk
16 break	1 heel	1 measure	1 soothe	3 walked
7 broke	18 hurt	1 measurement	23 sore	8 walking
3 broken	1 hurts	1 muscle	1 sort	38 walks
2 -1	1 1	1 my	1 sour	1 warm
3 clean	1 inches	5 nails	1 square	1 wide
6 cold 21 corn	2 jump	3 Halls	1 stamp 1 stank	1 wiped 1 wonderful
4 corns	2 Jump	1 one	3 stand	1 work
1 crawls	6 kick		11 step	
2 cut	1 kicked	1 people	1 stink	1 yard
		34. SPIDER		
5 afraid	1 cobwebs	1 funny	4 lucky	2 sews
36 animal	1 cones			1 shanty
1 ant	2 cook	1 glass	1 mean	1 six legs
1 awful	1 corner	1 grown	1 meat	8 small

1 bad									
1 banana	1 soft					9.5			
14 big 6 creature 1 hid 2 nasty 1 1 25 bite 2 crept 1 hoops 1 nice 1 2 2 2 2 2 2 2 7 7 house 7	10 spin	Muffet	1						
2 bif	6 spins		-				-		*
2	1 spun								
2 bitter 5 bittes 1 daddylonglegs 1 bitting 1 dirt 57 insect 1 parlor 1 parlor 36 poison 3 3 poison poison 3 poison 1 poison 1 poison 1	1 stepped								
5 bittes 1 dadylonglegs 1 bitting 1 dirt 57 insect 1 parlor 36 poison 3 3 bug 1 enemy 4 killed 5 poisonous 1 but 1 put 19 1 but 1 put 19 1 but 1 face 2 round 261 1 catch 1 farm 1 large 2 round 261 1 caught 1 flee 107 legs 1 caught 1 flee 107 legs 1 caught 1 flee 107 legs 1 caught 1 flyeater 19 long 1 see 2 cub 2 cib b 1 flyeater 19 long 1 see 2 cobweb 9 fry 11 longlegs 1 sew 2 cobweb 1 flyeater 1 long 2 pricked 2 cobweb 2 pricked 2 cobweb 3 good 2 cobweb 3 good 3 sew 4 cobweb 2 cobweb 3 good 3 sew 4 cobweb 6 cob	2 sting	no	1			crow	1		-
1 bitting				house					
1 body 1 body 2 body 1 body 1 body 1 bold 1 eye 4 kill 1 put 19 19 10 luld 1 eye 4 killed 1 put 19 19 10 luld 1 eye 4 killed 1 put 19 19 10 luld 1 eye 4 killed 1 put 19 19 10 luld 1 eye 4 killed 1 put 19 19 10 luld 1 eye 4 killed 1 put 19 19 10 luld 1 eye 4 killed 1 put 19 19 10 luld 1 luld 1 reptile 1 1 luld 1 l	1 trap	pan	4		gs		120	bites	5
1 boy		parlor	1			dirt	1	biting	1
1 build 1 eye	3 ugly	poison	36	insects	1			body	4
1 build 1 eye		poisonous	2	Jan		eggs	5	boy	1
1 burn	19 walk	put	1	kill	4	enemy	1	bug	83
1	5 wall	-		killed	4	eye	1	build	1
1	1 wasps	reptile	1	kind	1			burn	1
1 catch	261 web	round	2			face	1	butterfly	1
1 catch 6 feet 1 leg 3 runs 7 1 calws 40 fly 17 little 1 scare 2 2 clmb 1 flyeater 19 long 1 see 12 cobweb 9 fry 11 longlegs 1 see 12 cobweb 12 cobweb 9 fry 11 longlegs 1 see 12 cobweb 12 cobweb 14 cobweb 14 cobweb 14 cobweb 15 cobweb 14 cobweb 15 cobweb 14 cobweb 15 cobweb 14 cobweb 16	2 webs			large	1	farm	1		
1 caught	7 weave	runs	3			feet	6	catch	1
1 claws 40 fly 17 little 1 scare 2 clmb 1 flyeater 19 long 1 see 1 long 2 pricked 2 1 article 2 awake 1 feather 2 mother 1 reddle 1 1 long 2 scratch 1 long 3 sewed 4 long 4 lon	1 wing					flee	1	caught	1
2 clmb	2 worm	scare	1			fly	40		
1 angry			-						
1 angry									
1 angry 2 eyes 1 long 2 pricked 2 2 awake 1 feather 3 machine 1 reedle 1 7 finger 2 mother 1 1 beetle 1 food 2 scratch 449 sew 4 1 bench 3 good 3 sewed 1 1 bumpy 1 old 1 sewer 72 8 cloth 11 hole 5 pick 3 sews 1 1 clothes 3 hold 1 pierce 56 sharp 1 doll 1 pins 2 sharpened 1 1 doll 1 pins 3 silver 6 4 eye 17 little 16 prick 39 stick 1 afraid 1 clothes 1 degreen 1 degreen 1 afraid 1 children 2 spoint degreen 1 degreen 1 degreen 1 degreen 1 cold 2 poost 1 degreen 1 degreen 1 cold 2 pappe 1 degreen 1 baby 10 hair 1 orange 1 degreen 1 baby 1 painted 1 p									
1 article 1 feather 3 machine 1 reedle 1 1 beetle 1 food 2 scratch 1 1 bench 2 nickel 449 sew 4 2 bend 3 good 3 sewed 1 1 bumpy 1 old 1 sewer 72 8 cloth 11 hole 5 pick 3 sews 1 1 clothes 3 hold 1 pierce 56 sharp 1 1 doll 1 pins 3 silver 6 17 dress 1 lamp 23 point 11 small 1 1 dress 1 lamp 23 point 11 small 1 2 apple 1 Christmas 4 green 2 nose 1 42 apple 1 Christmas 4 green 1 1 orange 1 14 apples 65 cloth 1 ohair 1 orange 1 1 at 9 coat 10 hair 1 painted 1 1 baby 298 color 5 hat 1 painted 1 6 ball				. NEEDLE	35				
1 article 1 feather 3 machine 1 reedle 1 1 beetle 1 food 2 scratch 1 1 bench 2 nickel 449 sew 4 2 bend 3 good 3 sewed 1 1 bumpy 1 old 1 sewer 72 8 cloth 11 hole 5 pick 3 sews 1 1 clothes 3 hold 1 pierce 56 sharp 1 1 doll 1 pins 3 silver 6 17 dress 1 lamp 23 point 11 small 1 17 dress 1 lamp 23 point 11 small 1 1 eye 17 little 16 prick 39 stick 39 stick 36. RED 1 afraid 1 children 3 goods 2 nose 1 4 eye 17 little 16 prick 39 stick 3 cloth 1 pins 2 nose 1 4 apple 1 Christmas 4 green 1 1 at 9 coat 10 hai	2 sticks	pricked	2	long	1	eyes	2	angry	1
2 awake	1 sting							article	1
1 beetle	1 stockings	reedle	1					awake	2
1 beetle 1 food 2 scratch 1 bench 2 nickel 449 sew 4 449 sew 449 4	1 string			mother	2	finger	7		
2 bend 3 good 1 old 1 sewer 72		scratch	2					beetle	1
1 bumpy	4 thin	sew	449	nickel	2			bench	1
1 bumpy	1 thing	sewed	3			good	3	bend	2
S cloth 11 hole 5 pick 3 sewing 1	72 thread			old	1			bumpy	1
S cloth 11 hole 5 pick 3 sews 1	1 tin					head	5		
1 clothes	1 tool			pick	5			cloth	8
1 doll									-00
1 doll 1 pins 3 silver 6	1 wire								-
1 dress	6 work					A1 164 6		doll	1
Targe 17 little 16 prick 39 stick 39 st	O WOIK					lamn	1		
36. RED 39 stick 36						large	7	dicas	11
1 afraid			-					eve	41
1 afraid 1 children 3 goods 2 nose 1 42 apple 1 Christmas 4 green 1 orange 1 14 apples 65 cloth 1 orange 1 1 at 9 coat 10 hair 11 1 cold 2 happy 24 paint 2 1 baby 298 color 5 hat 1 painted 1 6 ball 1 colors 1 head 7 paper 1 1 bead 1 crayon 1 homely 1 papers 1 1 bead 1 crayon 1 hood 2 pencil 1 1 bell 1 hot 1 pillow 1 1 bells 31 danger 7 house 1 pinch 1 3 belt 6 dark 3 pink 1 1 bench 1 dirty 4 Indian 14 pretty 10 4 blood 1 door 1 1 9 blue 1 draw 13 lantern 1 radish 35 book 85 dress 2 led 5 read 1 1 bow 1 craser 1 lip 16 ribbon 1		SUCK	39	prick	10	Ittle	17	eye	71
42 apple 1 Christmas 4 green 14 apples 65 cloth 1 orange 1 1 at 9 coat 10 hair 11 1 cold 2 happy 24 paint 2 1 baby 298 color 5 hat 1 painted 1 6 ball 1 colors 1 head 7 paper 1 12 barn 1 cows 1 homely 1 papers 1 1 bead 1 crayon 1 hood 2 pencil 1 1 bell 1 hot 1 pillow 1 1 bells 31 danger 7 house 1 pinch 1 3 belt 6 dark 3 pink 1 1 bench 1 dirty 4 Indian 14 pretty 10 14 blood 1 door 1 1 1 pretty 10 14 blood 1 draw 13 lantern 1 radish 1 35 book 85 dress 2 led 5 read 1 1 bow 1 craser 1 lip 16 ribbon 1 1 box 1 eraser 1 lip 16 ribbon 1				36. RED	:				
42 apple 1 Christmas 4 green 14 apples 65 cloth 1 orange 1 1 at 9 coat 10 hair 11 1 cold 2 happy 24 paint 2 1 baby 298 color 5 hat 1 painted 1 6 ball 1 colors 1 head 7 paper 1 12 barn 1 cows 1 homely 1 papers 1 1 bead 1 crayon 1 hood 2 pencil 1 1 bell 1 hot 1 pillow 1 1 bells 31 danger 7 house 1 pinch 1 3 belt 6 dark 3 pink 1 1 bench 1 dirty 4 Indian 14 pretty 10 14 blood 1 door 1 1 1 pretty 10 14 blood 1 draw 13 lantern 1 radish 1 35 book 85 dress 2 led 5 read 1 1 bow 1 craser 1 lip 16 ribbon 1 1 box 1 eraser 1 lip 16 ribbon 1	1		2	manda	2	abildeen	1	-forts	4
14 apples 65 cloth 1 orange 1 1 at 9 coat 10 hair 11 1 cold 2 happy 24 paint 2 1 baby 298 color 5 hat 1 painted 1 6 ball 1 colors 1 head 7 paper 1 12 barn 1 cows 1 homely 1 papers 1 1 bead 1 crayon 1 hood 2 pencil 1 1 bell 1 hot 1 pillow 1 1 bells 31 danger 7 house 1 pinch 1 3 belt 6 dark 3 pink 1 1 bench 1 dirty 4 Indian 14 pretty 10 4 blood 1 door 1 1 9 blue 1 draw 13 lantern 1 radish 35 book 85 dress 2 led 5 read 1 1 bow 15 light 1 ready 1 1 box 1 eraser 1 lip 16 ribbon 1 bread 1 river 1 68 bright 2 face 1 river 1	1 run	nose	4						
1 at 9 coat 10 hair 21 happy 24 paint 2 1 baby 298 color 5 hat 1 painted 1 6 ball 1 colors 1 head 7 paper 1 12 barn 1 cows 1 homely 1 papers 1 1 bead 1 crayon 1 hood 2 pencil 1 1 bell 1 hot 1 pillow 1 1 bells 31 danger 7 house 1 pinch 1 3 belt 6 dark 3 pink 1 1 bench 1 dirty 4 Indian 14 pretty 10 4 blood 1 door 1 pretty 10 9 blue 1 draw 13 lantern 1 radish 35 book 85 dress 2 led 5 read 1 1 bow 15 light 1 ready 1 1 box 1 eraser 1 lip 16 ribbon 1 bread 1 look 1 ring 4 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1				green	4	* *			
1 baby 298 color 5 hat 1 painted 1 6 ball 1 colors 1 head 7 paper 1 12 barn 1 cows 1 homely 1 papers 1 1 bead 1 crayon 1 hood 2 pencil 1 1 bell 1 hot 1 pillow 1 1 bells 31 danger 7 house 1 pinch 1 3 belt 6 dark 3 pink 1 1 bench 1 dirty 4 Indian 14 pretty 10 4 blue 1 door 1 1 9 blue 1 draw 13 lantern 1 radish 35 book 85 dress 2 led 5 read 1 1 bow 1 dresses 1 letters 1 ready 1 1 box 1 eraser 1 lip 16 ribbon 1 1 bread 2 face 1 river 1 9 fire 1 morn 1 road 1	1 sale	orange	1		10				
1 baby 298 color 5 hat 1 painted 1 6 ball 1 colors 1 head 7 paper 1 12 barn 1 cows 1 homely 1 papers 1 1 bead 1 crayon 1 hood 2 pencil 1 1 bell 1 hot 1 pillow 1 1 bells 31 danger 7 house 1 pinch 1 3 belt 6 dark 3 pink 1 1 bench 1 dirty 4 Indian 14 pretty 10 14 blood 1 door 1 1 35 book 85 dress 2 led 5 read 1 1 books 1 dresses 1 letters 1 ready 1 1 box 1 eraser 1 lip 16 ribbon 1 bread 1 river 1 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1	11 scarlet							at	1
6 ball 1 colors 1 head 7 paper 1 12 barn 1 cows 1 homely 1 papers 1 1 bead 1 crayon 1 hood 2 pencil 1 1 bell 1 hot 1 pillow 1 1 bells 31 danger 7 house 1 pinch 1 3 belt 6 dark 3 pink 1 1 bench 1 dirty 4 Indian 14 pretty 10 14 blood 1 door 1 1 radish 35 book 85 dress 2 led 5 read 1 1 books 1 dresses 1 letters 1 ready 1 1 box 1 eraser 1 lip 16 ribbon 1 1 bread 1 look 1 ring 4 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1	2 school			happy	2				
12 barn 1 cows 1 homely 1 papers 1 1 bead 1 crayon 1 hood 2 pencil 1 1 bell 1 hot 1 pillow 1 1 bells 31 danger 7 house 1 pinch 1 3 belt 6 dark 3 pink 1 1 bench 1 dirty 4 Indian 14 pretty 10 14 blood 1 door 1 1 radish 35 book 85 dress 2 led 5 read 1 1 books 1 dresses 1 letters 1 ready 1 1 bow 1 eraser 1 lip 16 ribbon 1 1 bread 1 look 1 ring 4 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1		painted	1					baby	1
1 bead 1 crayon 1 hood 2 pencil 1 1 bell 1 hot 1 pillow 1 1 bells 31 danger 7 house 1 pinch 1 3 belt 6 dark 3 pink 1 1 bench 1 dirty 4 Indian 14 pretty 10 14 blood 1 door 1 1 radish 35 book 85 dress 2 led 5 read 1 1 books 1 dresses 1 letters 1 ready 1 1 bow 1 eraser 1 lip 16 ribbon 1 1 bread 1 look 1 ring 4 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1	1 shiny	paper	7			colors	1		
1 bead 1 crayon 1 hood 2 pencil 1 1 bell 1 hot 1 pillow 1 1 bells 31 danger 7 house 1 pinch 1 3 belt 6 dark 3 pink 1 1 bench 1 dirty 4 Indian 14 pretty 10 14 blood 1 door 1 1 radish 35 book 85 dress 2 led 5 read 1 1 books 1 dresses 1 letters 1 ready 1 1 bow 1 eraser 1 lip 16 ribbon 1 1 bread 1 look 1 ring 4 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1	1 sled	papers	1	homely	1	cows	1	barn	12
1 bells 31 danger 7 house 1 pinch 1 3 belt 6 dark 3 pink 1 1 bench 1 dirty 4 Indian 14 pretty 10 14 blood 1 door 1 1 9 blue 1 draw 13 lantern 1 radish 35 book 85 dress 2 led 5 read 1 1 books 1 dresses 1 letters 1 ready 1 1 bow 15 light 1 remarkable 1 1 box 1 eraser 1 lip 16 ribbon 1 bread 1 look 1 ring 4 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1	1 squirrel	pencil	2			crayon	1	bead	1
1 bells 31 danger 7 house 1 pinch 1 3 belt 6 dark 3 pink 1 1 bench 1 dirty 4 Indian 14 pretty 10 14 blood 1 door 1 1 9 blue 1 draw 13 lantern 1 radish 35 book 85 dress 2 led 5 read 1 1 books 1 dresses 1 letters 1 ready 1 1 bow 15 light 1 remarkable 1 1 box 1 eraser 1 lip 16 ribbon 1 bread 1 look 1 ring 4 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1	1 star							bell	1
3 belt 6 dark 3 pink 1 1 bench 1 dirty 4 Indian 14 pretty 10 14 blood 1 door 1 1 9 blue 1 draw 13 lantern 1 radish 35 book 85 dress 2 led 5 read 1 1 books 1 dresses 1 letters 1 ready 1 1 bow 15 light 1 remarkable 1 1 box 1 eraser 1 lip 16 ribbon 1 bread 1 look 1 ring 4 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1	1 stockings	pinch	1	house	7	danger	31	bells	1
1 bench 1 dirty 4 Indian 14 pretty 10 14 blood 1 door 1 1 9 blue 1 draw 13 lantern 1 radish 35 book 85 dress 2 led 5 read 1 1 books 1 dresses 1 letters 1 ready 1 1 bow 15 light 1 remarkable 1 1 box 1 eraser 1 lip 16 ribbon 1 bread 1 look 1 ring 4 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1	1 story							belt	3
14 blood 1 door 1 9 blue 1 draw 13 lantern 1 radish 35 book 85 dress 2 led 5 read 1 1 books 1 dresses 1 letters 1 ready 1 1 bow 15 light 1 remarkable 1 1 box 1 eraser 1 lip 16 ribbon 1 bread 1 look 1 ring 4 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1	10 sweater			Indian	4				
9 blue 1 draw 13 lantern 1 radish 35 book 85 dress 2 led 5 read 1 1 books 1 dresses 1 letters 1 ready 1 1 bow 15 light 1 remarkable 1 1 box 1 eraser 1 lip 16 ribbon 1 1 bread 1 look 1 ring 4 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1	1 Sweden						_		
35 book 85 dress 2 led 5 read 1 1 books 1 dresses 1 letters 1 ready 1 1 bow 15 light 1 remarkable 1 1 box 1 eraser 1 lip 16 ribbon 1 bread 1 look 1 ring 4 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1		radish	1	lantern	13				
1 books 1 dresses 1 letters 1 ready 1 1 bow 15 light 1 remarkable 1 1 box 1 eraser 1 lip 16 ribbon 1 bread 1 look 1 ring 4 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1	1 talk								
1 bow 15 light 1 remarkable 1 1 box 1 eraser 1 lip 16 ribbon 1 bread 1 look 1 ring 4 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1	1 that								
1 box 1 eraser 1 lip 16 ribbon 1 bread 1 look 1 ring 4 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1	1 thread						4		-
1 bread 1 look 1 ring 4 68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1	. mreau					eraser	1		-
68 bright 2 face 1 river 1 9 fire 1 morn 1 road 1	4 waist		-			CIMOUI			-
9 fire 1 morn 1 road 1	1 wake			100%	- 4	face	2		
	1 wake			morn	1			bright	00
1 calcidar 24 hag 1 footn 18				morn	1.			colendar	1
6 anndy A flower 1 needle 1 need	18 white		*	needle					
	1 words				-				
1 canoe 2 flowers 2 nice 1 rosy	1 mallow			nice	2		-		
4 cap 1 fly 2 rug 1	1 yellow	rug	2			ну	1	cap	4
37. SLEEP				7. SLEEP	3				
	4 slept	peace	1			down	1	asleen	1
	6 slumber			Took					
	15 snore			late	5				-
		144	-					awore	T
	1 snores	-						haber	20
	1 snoring	pray	1						
	24 sound	aniet				dust	1		
31 beds 1 leap 1 quiet 5	5 still	quiet	1	ieap	1			beus	21

1 bird	1 enough	1 lie	1 quilt	1 sweep
6 boy	1 eye	1 lies	12 quilts	
1 boys	40 eyes	1 like		1 take
1 bride		3 long	40 rest	1 time
1 buggy	1 fall		1 resting	67 tired
	3 fast	9 man		
1 calm	1 fine	1 me	1 see	1 uncle
1 candy		1 meet	1 senseless	e
6 child	1 gentle	1 morning	1 she	6 wake
1 clean	l girl	1 mothers	1 sheep	1 waken
5 close	1 go	3 much	1 sheet	1 we
1 closed	7 good		5 shut	1 went
1 crept	1 goodnight	15 nap	1 shutting	1 will
1 cross		4 need	1 silent	1 woman
	1 happy	3 nice	4 sleeping	1 writing
16 dark	1 hard	95 night	9 sleepy	4
1 did			1 sleepy head	1 you
1 do	1 I	1 papa	1 sleet	
		38. ANGER		
1 Alonzo	1 disobey	1 hands	53 mean	1 spank
1 angrily	6 dog	3 happy	1 mind	1 spanking
20 angry	o dog	1 harm	1 mother	1 strong
1 ant	1 eat	3 he	1 mother	7 swear
1 at	1 cat	1 him	1 naughty	/ bwcai
1 at	1 fancy	1 horse	6 nice	6 teacher
1 baby	4 fierce	1 hungry	o mee	8 temper
17 bad	57 fight	1 mangay	1 on	1 tiger
1 bashful	19 fighting	1 I	. 0	5 tired
1 beer	1 finger		1 play	o enca
1 bet	1 flop	6 kill	- 1	8 ugly
1 blow	1 funny	1 killed	12 quarrel	1 unhappy
38 boy	1 furious		1 quarreling	r annappy
15 boys	1 fury	1 lady	1 quick	1 very
		1 language	•	
1 children	3 girl	1 langer	1 rough	1 walk
10 cranky	1 girls	1 large		1 we
1 cries	9 glad	1 lion	1 saucy	1 weary
56 cross	7 good	1 lookout	10 scold	1 whack
1 crossness	1 grave		3 scowl	1 wicked
1 cruel	1 greedy	471 mad	1 sin	1 wild
6 cry	1 grouch	1 madness	1 soften	1 wolf
	1 grow	1 mamma	9 sore	11 woman
1 danger	1 growl	45 man	1 sorrow	
			1.	
		39. CARPE	T	
20 1				
20 beat	1 down	10 lays	9 rag	1 sweeps
1 beating	9 dust	1 like	4 rags	1 swept
9 beautiful	15 dusty	1 little	1 ragged	2 4-1
4 big	1 fall	1 long	8 red	2 tack
1 black		1	1 rolled	20 tacks
6 blue 1 border	1 feet 1 felt	1 man 1 marble	2 room 4 rough	1 the 1 thread
9 broom	1 flat	12 mat	245 rug	
2 brown	149 floor	1 mice	2 rugs	1 torn
1 brush	2 flowers	1 moth	1 run	6 velvet
3 brussels	1 foot	1 mothers	1 Iun	o verver
o brussels	2 front	1 muddy	1 Saturday	88 walk
3 chairs	2 fur	- muduj	1 shake	3 walked
1 children	2 furniture	15 new	1 sing	1 walking
18 clean	2 Minitelle	15 nice	5 small	2 walks
19 cloth	3 green	15 mee	7 smooth	1 warm
16 color	o Breen	1 on	28 soft	1 wash
3 colors	1 hall	. 011	2 square	1 we
1 cover	1 have	1 person	1 stain	1 weave
	12 home	1 pit	1 stand	1 weed
1 design	30 house	1 poor	4 step	1 wheels
1 designs		16 pretty	1 straw	1 will
10 dirt	6 large	1 put	45 sweep	1 wipe
35 dirty	2 lay		1 sweeper	1 women
				1 woven
*				
		40. GIRL		
1 anger	1 dolls	1 her	2 money	2 she
1 anger	240 dress	6 home	a money	8 shoes
11 baby	23 dresses	1 homely	1 neat	1 sing
34 beautiful	ao uresses	3 house	24 nice	4 sister
or beautiful		o Donoc	21 11100	, sister

1 beauty	2 eat	6 human		2 skirt
2 being	11 eyes		1 Pearl	2 skirts
22 big		1 June	5 people	2 small
10 boy	19 face	1 jumping	18 person	1 sole
1 boys	1 fair		1 pies	2 stockings
2 bracelet	1 fancy	7 kiss	1 plant	11 sweet
	5 feet		18 play	
1 cap	22 female	1 lad	3 playing	1 talks
5 child	1 flirt	26 lady	2 playmate	1 that
2 children	1 flower	5 laugh	3 plays	1 there
2 clean	1 foot	1 legs		1 there
6 clothes	1 full	7 little	1 poor	2 malles
1 clothing	8 furs	1 live	25 pretty	3 walks
	o iuis	5 love	2 punk	1 wash
1 coat	1 migrato	3 love	10 -111	1 washes
0 cook	1 giggle	2	19 ribbon	1 went
1 creature	2 girls	3 maid	5 ribbons	1 where
1 cry	17 good	2 maiden	1 rill	1 wife
1 curl	1 grow	1 Margaret	3 run	8 woman
3 curls		1 Marion		1 women
1 cute	38 hair	4 mate	21 school	8 work
	10 hands	2 me	1 scold	1 wrangle
1 dancer	1 happy	5 mean	2 sew	1 write
1 daughter	17 hat	1 mirth	1 sewed	
23 doll	1 have	4 miss	1 sews	2 you
				8 young
				- ,
		41. HIGH		
2 above	9 church	2 gastank	1 lumber	1 ship
4 aeroplane	1 class	1 globe		1 sing
9 afraid	10 cliff	1 goat	1 man	1 size
50 air	1 climb	5 good	1 money	22 sky
4 airship	1 clock	1 goodies	1 moon	1 so
1 Alps	3 clouds	1 goodies	120 mountain	
7 apple	3 cold	1 hair	5 mountains	1 stand
	1 courthouse	1 hard		1 stars
10 apples			1 my	30 steep
1 are	1 crust	1 heaven		1 steeple
1 1 1 1 1 1 1 1 1	1 cut	10 height	1 nest	1 step
1 bakery		92 hill	4 nice	1 sun
1 balloon	16 deep	1 home	2 nigh	14 swing
3 bank	1 did	32 house	1 number	
1 beans	3 distance			56 tall
1 bees		1 in	1 oranges	1 thought
14 big	1 ear	1 iron		1 throw
5 bird	18 eat		2 peak	1 tone
1 birds	3 eating	7 jump	8 peaks	5 top
1 blow	1 embankment	1 jumped	1 picture	13 tower
1 boy	1 every	. /	1 post	7 tree
1 build		1 king	· poor	5 trees
32 building	22 fall		10 reach	5 trees
1 bush	58 far	1 ladder	1 righ	60 up
7 butter	1 fate	1 large	1 road	oo ap
, parter	2 fence			3 very
1 onko	1 flaggade	3 length	1 rock	3 very
1 cake	1 flagpole	1 light	12 rocks	1 vines
3 castle	1 flower	8 long	16 roof	011
8 ceiling	1 flowers	1 look	1 room	9 wall
7 chair	24 fly	1 loud	1 rug	3 way up
1 children		25 low	1 school	2 windmill
			1 school	
		42. WORKI	NG	
3 bad	1 driving	1 helping	3 noon	1 slow
1 bank	1 drudging	7 home	1 not	1 stonequarr
2 beds	1 dust	20 horse		1 stop
1 bench	1 dusting	1 hot	9 pay	12 store
1 better	-	1 house	1 people	2 strong
1 blind	10 earn		1 pinch	11 study
8 books	1 earning	6 job	34 play	2 sturdy
1 boss	1 eat	0 100	11 playing	3 sweat
7 boy		18 labor		o sweat
1 boys	2 factories		1 plumber	2 tools
	2 factories	1 laboring	1 pop	2 task
THE R. P. LEWIS CO., LANSING, MICH.	6 factory	1 lace	1	1 thrifty
1 build	1 farm	1 late	1 rake	29 tired
49 busy	6 farmer	13 lazy	1 rate	1 today
	1 fast	2 learn	9 rest	2 toil
	12 father	4 learning		1 ton
2 carpenter	4 0			
2 carpenter 1 chair 1 chop	1 fireman	1 light 4 loafing	1 sand 1 saving	1 tools 1 tried

	cigar	3 garden	1	lumber		scholar		
	clothes	2 girl			-	school		wash
1	crust	5 girls		machine		scrub		well
0	dan	1 good		machinist		shop	-	woman
	day	1 hammer		make		shopping shovel		women wood
	digging dishes	1 hand		man mark		shovelling		work
	do	7 hands	-	men		shovels		worked
	doing	299 hard	-	mind		slave		workman
1	done	1 he		mining		sleep		workmen
	doughnut	4 help		money		sleeping		wring
			4	3. SOUR				
4 69		**						
	apple	54 eat	8	kraut		peaches		sting
	apples ate	1 face	E 7	lemon		pickle		stomach strong
/	ate	1 food		lemons		pickles pie plant		sugar
25	bad	19 fruit		Liquid		pills		sweet
	bitter	17 11 616		lour		plum	, ,	Sweet
	boy	33 good	-			plums	28	taste
	burns	1 grape	1	meat		poison		tasteful
3	buttermilk	8 grapes	124	milk		•	1	tastes
		9 green			1	radish		that
	cabbage		6	nasty	1	rotten	1	things
	candy	13 hard		nice				too
	cider	1 have		no		salad	1	tour
	corn	1 horrid	1	not		salt		
	cow .	4 12				salts		unhappy
	cranberries	1 it		onion		sauce		unpleasant
	cream	O inter		our	-	scour	1	unsweet
4	cucumber	9 juice		onions	-	sorry	52	vinegar
9	dill	1 juicy		orange		soup sauerkraut		vinegar
	drink	1 kettle	17	oranges		spoiled		very
	dime	1 Kettie	1	pancake		sponed	1	warm
			*	paneanc				water
			4	4. EARTH			-	*******
A	-1	1 5 4		-		-1	2	-4
	air awful	1 feet 2 fertile	**	houses	7	plant		star
7	awiui	1 fire	1	in	5	plaster		step stone
18	ball	2 flowers		is	3	play		stones
	big	1 food		13	5	quake	î	
	birth	3 frightened	43	land		quane		Sticum
	black	1 froze		large	1	rabbit	4	tree
	blue	1 frozen		light		roads		trees
1	boy		38	live	2	rock		
	bright	4 garden	1	lovely		rocks	1	vegetable
1	brook	4 globe				rocky		
		1 God		man		rough		walk
	city	1 good		meek	82	round		walking
	cloud	9 grass		moist	20			warm
	coat	2 gravel		mother		sand		water
	cold	2 green		mountain mud		seed		we
	color	1 grit				shack		woods
1	corn	223 ground 1 grow	1	muddy		shovels		work world
1	deep	* Prow	2	nature	-	sky		worms
	dig	31 hard		nice		snow		77 J. 111.0
	dirth	7 heaven		nose	-	sod	1	yard
	dirt	5 hemisphere				soft		you
	dug	3 high		open		soil		,
		10 hole				solid		
9	earthquake	33 house	28	people	3	sphere		
			4	5. GARDE	N			
	angel	13 eat		grown	6	nice		raked
	apple	0.6	5	grows				rose
36	apples	2 farm		1	2	onions		roses
	to be	1 father's		hoe	-		1	round
	baby	2 fence	1	hoeing	-	pansy		
	beautiful	4 field		T		pardon		seed
	beet	1 first	1	I		peas		seeds
13	big	132 flower 327 flowers		land		person		shovel
5	cabbage	2 food		large		planting		SOW
	cakes	1 fragrant		lilies		plants		summer
*	2111123	52 fruit			20	Principal	3	e diminet

2 carrot	3 fruits		3 play	
20 carrots		1 made	1 poppies	3 tomatoes
12 corn	3 gardener	5 make	3 potato	0 0011111000
1 club	2 good	5 man	32 potatoes	28 vegetable
1 61610	1 grand	1 marden	5 pretty	
1 den	1 green	1 men	2 pumpkin	38 vegetables
	19 ground		2 pumpkin	4
10 dirt			2 - 11 1	1 weather
1	34 grow	1 mother's	3 radish	1 wet
9 earth	5 growing	1 mud	1 raise	2 yard
		46. SOLDIER		
1 am	7 danger	9 guard		DE emond
1 are	3 dead	61 gun	l navy	26 sword
	1 die		1 nice	1 4-11
1 armor		1 guns		1 tall
63 army	2 died	0.1. 1	1 of	
	1 drill	2 hard	4 officer	4 uniform
1 bang		2 hat	6 old	1 United States
14 battle	1 enemy	1 he		
1 blue			1 papa	1 walking
3 boy	160 fight	1 I	1 patriotic	203 war
53 brave	2 fighter	1 is	1 poor	1 warring
1 bride	40 fighting		1 powder	5 warrior
	10 fights	8 killed	- ponde	1 word
1 cadet	1 flag		1 sad	1 work
1 camp	1 for	1 leg		
	1 101	1 leg	1 save	1 working
1 cannon	1 managed	05	17 shoot	1 worries
24 captain	1 general	95 man	4 shot	2 worry
l citizen	3 German	36 march	1 stab	1 worth
5 command	1 go	1 marches	2 stand	1 wound
7 comrades	5 good	6 marching	1 star	1 wounded
1 country	1 great	3 men	32 straight	2 write
1 cruel	1 grows	2 money	8 strong	
		2 musket	6 suit	3 young
			o our	o Journa
		47. CABBAGI	E.	
		0.1221101		
1 apples	9 eating	47 head	1 peeling	1 sick
1 ate		1 heart	27 plant	6 smell
	4 farm	1 house	2 pork	31 soup
1 bad	1 field			
5 big	2 fine	1 hungry	1 pot	12 sour
1 boiled	3 food	1 I	1 potatoes	1 spareribs
			1 pumpkin	1 spoiled
11 bugs	1 fresh	1 it		7 stewed
1 bread	1 froze		13 rabbit	1 strong
	1 fruit	2 kraut	25 rabbits	1 stump
3 carrot			1 raw	15 supper
9 cellar	1 garbage	1 lazy	2 roots	3 sweet
42 cook	46 garden	9 leaf	3 rotten	
13 cooking	40 good	62 leaves	26 round	140 vegetable
	21 green	1 lettuce		34 vegetables
1 did	17 grow	1 like	7 salad	
11 dinner	1 growing		1 sauce	1 well
	3 grows	4 nice	1 saucer	9 white
193 eat	o grows	4 mice		
1 eatables	3 hard	3 patch	34 sauerkraut	4 worm
Leatables	5 hard	5 paten	1 scent	11
			2 sell	1 yard
		40 HADD		
		48. HARD		
13 apple	1 00014	A band	11	1
13 apple	1 can't	4 hand	1 pound	1 strong
1 apples	2 cement	10 heavy	1 press	1 stuck
	4 chair	3 house	1 pudding	1 sweep
5 bad	1 chalk	2 hurt		
1 baked	1 chosen		1 radiator	1 tack
16 ball	2 chunk	33 ice	1 ring	1 test
1 bard	1 coal	1 ice-cream	1 road	1 that
1 bat	1 cracked	36 iron	92 rock	1 there
1 bed	9 crust		1 rocks	1 thick
5 big		1 jelly	1 rocky	1 thing
2 bite	1 desk	- Jeny	29 rough	1 throw
2 black	13 dirt	4 lard		7 touch
26 board	1 do		1 rub	7 tough
1 bone		l log	1 above	1
	1 door	1 look	1 sharp	1 very
1 bones	4.00	3 lump	1 sidewalk	
39 bread	17 earth		1 slippery	1 was
28 break	1 easy	1 man	25 smooth	1 water
1 breakable		1 Marie	14 snow	1 winter

22 brick 1 bricks 1 bumpy 1 butter	1 fight 54 floor 1 frozen	2 mean 3 nut	65 soft 17 solid 1 sore	30 wood 1 word 89 work 1 worker
1 cake	4 glass	1 old	1 sort 1 sound	2 working 1 worry
1 cane	1 good 51 ground	4 packed	4 stiff	1 worly
48 candy		1 plate 2 play	113 stone	
	,	49. EAGLE		
1 air	3 cloud	3 gray	9 mean	1 small
19 American 1 angry	1 condor 1 coward	2 head	1 miegle 35 mountain	1 soar 1 steal
6 animal	Loward	1 hen hawk	oo mountain	1 strength
11 baby	1 dog	6 high	1 name 18 nest	30 strong 1 swift
1 banner	6 eat	1 imagination	10 nest	1 swoop
2 beak	1 eggs	1 insect	2 owl	
2 beast	1 emblem	1 insects	1	1 talons
1 beater 52 big	1 eyes	1 invisible	1 play 2 pretty	1 teeth 3 thief
2 bill	9 feather	1 kidnap	2 pictij	1 took
373 bird	28 feathers	1 kill	1 reagle	
2 birds	1 fierce	1 king	1 robber 2 run	4 United States
3 bite 6 black	2 flag 1 flew	1 lamb	2 run	2 warbird
1 bregle	26 flies	19 large	1 savage	1 white
	120 fly	1 lodge	2 scratch	43 wing
1 chicken 1 child	10 flying	3 mad	1 seven 2 show	49 wings 1 work
30 claws	1 gander	3 man	1 size	1 wrong
1 cliff	1 good		1 slide	
		50. STOMAC	Н	
189 ache	2 cramps	1 grind	1 meal	22 sore
3 aches	2 cramps	1 grow	2 mean	1 sound
1 apples	8 digest	1 guts	1 meat	3 sour
1 ate	1 digestion	1 had	1 milk 1 music	1 steak 1 stick
13 bad	1 dinner 1 doctor	1 had 1 hammock	1 music	1 stone
1 ball	1 drouth	3 hard	1 name	1 stumble
48 belly	2 1	7 healthy		1 swallow
1 belt 3 big	2 each 108 eat	21 heart 1 heavy	1 out	3 throat
2 bladder	1 eatable	1 hill	18 pain	1 tomato
2 blood	16 eating	6 hungry	1 people	2 treat
78 body	1 eats	23 hurt	1 person	1 tripe
2 bones 1 born	5 empty	5 hurts	10 poor 1 pudding	11 trouble 1 tube
4 bowels	1 fall	. 1 I	. padding	
9 boy	1 false	5 indigestion	1 rice	1
3 bread 3 breast	16 fat 1 feed	9 inside 6 insides	1 ring 1 rock	1 veins 1 velvet
2 breathe	2 feeling	1 intestine	1 rotten	1 vital
1 brick	1 feet		3 round	
1	1 felt	4 kidney	1	1 warm
1 candy 4 care	2 flesh 82 food	1 lazy	1 sec 1 short	1 water 15 weak
4 chest	1 for food	1 light	85 sick	1 well
2 clean	19 full	1 little	1 sickness	3 white
1 close	1 combaga	1 liver	13 skin 1 soft	1 wood
1 cold	1 garbage 23 good	1 lumic 6 lungs	1 soft	
		51. STEM		
25 apple	15 corn	1 hard	1 pick	1 string
uppro	1 crooked	1 have	1 pin	1 strong
1 bad	41 cut	1 hold 1 holds	42 pipe	1 sugar
1 beginning 1 bend	1 down	3 hollow	25 plant 1 plants	1 system
1 bent	2 40114		1 point	5 tall
1 berries	1 earth	14 juicy	1 mod	1 them 1 thick
14 big 1 bitter	1 eating 8 end	1 large	1 red 2 reed	11 thin

1 black 1 blossom 1 boat 1 body 1 bone 1 bough	1 firm 367 flower 80 flowers 1 foot 1 froze	11 leaf 1 leaves 3 letter 3 lily 6 limb 60 long	13 root 3 rose 1 roses 1 rough 1 rubber	1 top 35 tree 1 trees 1 trunk 9 twig
16 branch	1 fruit	1 look	4 short	1 vine
1 broke	1 gray	1 lots	6 slender 3 slim	9 weed
20 broken 1 brown	1 grass	1 paint	1 small	8 weed 1 white
1 buds	48 green	1 paper	1 sort	1 wide
1 burn	1 ground	1 part	4 stalk	8 wood
1 anma	9 grow 1 growing	1 paste 1 pen	1 stand 10 stick	
l came	1 grows	1 pencil	2 straight	
		52. LAMP		
1 hadtime	1 ooiling		1 lantern	4 chada
1 bedtime 3 big	1 ceiling 18 chimney	12 gas 50 glass	1 lantern 648 light	4 shade 2 shine
1 blaze	1 color	5 globe	4 lights	1 sleep
1 blow	1 command	3 good		1 small
1 blue	1 dama	1 hanging	1 nice	2 smoke
1 box 3 break	1 damp 1 dark	1 hanging 1 hard	6 night	1 stamp 4 street
8 bright	1 desk	1 have	38 oil	7 361666
1 broke	1 down	10 home	1 oily	1 tipped
1 broken	1	1 hook	3 out	1
70 burn 1 burns	1 exploded 1 explosion	1 is	1 pretty	1 white 19 wick
10 burning	1 explosion	1 15	1 pictry	1 wool
	22 fire	4 kerosene	1 red	
1 camp	9 fires	1 kitchen	1	1 yellow
1 cat	3 flame		3 see	
*		53. DREAM		
		33. DREAM		
2 about	1 cry	1 happened	3 picture	1 talk
6 afraid 1 alas	A doole	12 happy 1 hear	1 pictures	1 tell 5 thing
l alas l Alice	4 dark 1 day	1 her	9 pleasant 1 position	13 things
2 angel	1 dies	2 horses	1 pretty	30 think
1 angels	3 do	1 house		2 thinking
1 animal 7 asleep	1 doll 1 doze	1 imagination	1 quiet	3 thought
7 asleep 5 awake	2 dreaming	8 imagine	1 rats	1 thoughts 1 train
4 awful	1 dreamland	1	1 ream	1 true
2 1 1	1 dreamt	1 lady	1 robbers	
2 baby 31 bad	1 dresses 1 drowsy	1 lake 1 laugh	1 rose	1 used
1 bear	1 diowsy	1 lessons	1 Santa	4 vision
1 bears	1 fairies	1 like	1 scared	1 visions
20 beautiful	3 fairy	1 lions	1 school	1
78 bed 1 bedtime	2 fairyland 1 fierce	3 long	1 scream 4 see	1 war 1 was
1 bird	4 fight	8 man	1 sister	1 water
1 boat	4 fire	1 mare	272 sleep	1 way
1 book	1 flowers	1 mine	8 sleeping 1 sleepy	1 what 2 window
6 boy 1 burglar	3 fun 13 funny	1 money	4 something	5 wonder
. ourgian	15 Idilly	1 never	1 spirit	4 wonderful
1 can	4 ghost	9 nice	6 stories	1 wondrous
1 car	7 girl	260 night	8 story	1 yell
1 cat 1 children	1 gleam 20 good	3 nightmare 1 noise	6 strange 1 sweet	1 yen
1 cream	20 8000	1 nothing	1	
		54. YELLOW		
3 apple	1 coat	3 golden	8 nice	1 ruler
1 hall	1 corn	10 goldenrod	g1 orange	2 saffron
1 ball 11 banana	320 color 1 colored	1 good 9 green	81 orange 1 oranges	1 sea
1 beautiful	3 colors	- Breen	2.4.800	1 shine
1 bed	1 cream	3 hair	21 paint	1 silk
1 bicycle	A Jalan	1 hair ribbon	1 pale	1 skin 1 spelling
4 bird 1 black	4 daisy 15 dandelion	1 hall 3 hat	1 pants 3 paper	1 spelling 1 stars
1 blossom	1 dark	1 honey	1 peach	1 suit
	141			

3 blue	1 dish	3 house	1 peaches	1 sulphur
3 book	1 do	1 T	1 peanut	5 sun 5 sunflower
1 box 30 bright	1 draw 129 dress	1 I 1 is	9 pencil 1 pillow	5 sunnower
1 brother	127 01005	1 10	1 pink	1 tulips
3 brown	1 egg	1 Japan	1 plant	
8 butter			14 pretty	1 very
1 buttercup	1 fellow	1 lantern	1 pumpkin	4 waist
7 butterfly	1 fever 1 fire	1 leaf 13 lemon	1 race	5 white
4 cake	105 flower	59 light	7 red	1 woodwork
1 canary	4		1 rellow	
1 Carlo	1 girl	1 mellow	7 ribbon	1 yeast
1 clock 8 cloth	1 globe 1 gold	1 money	1 river 1 rose	1 yellowish
o ciota	1 Rold		1 1080	
		55. BREAD		
1 all gone	1 crumb	1 fresh	1 life	1 raisin
2 ate	8 crumbs		1 light	13 rye
1 bad	3 crust 1 cut	1 ginger 90 good	1 like 10 loaf	1 said
13 bake	1 cut	4 grain	1 loaves	3 salt
9 baked	1 daily	, B	1 lot	1 sandwich
1 baker	1 dead	1 hair		17 slice
9 baking	3 dinner	11 hard	3 made	9 soft
1 Belgium 3 biscuit	80 dough 1 dry	1 have 1 homemade	5 make 2 meal	5 stale 1 strength
1 black	1 dry	1 honey	1 milk	1 supper
1 breath	356 eat	3 hungry	1 mother	3 sweet
3 brown	1 eatables			
1 burn	14 eating	1 it	1 oatmeal 1 oven	1 taste 1 Tip Top
68 butter	1 eats	5 jelly	1 oven	I III IOP
3 cake	1 five cents	a join	1 piece	1 use
2 coffee	95 flour	1 kind	1 pudding	
3 cook	37 food	3 kneed	1 1.1.14	1 Wanda
1 crisp	1 fried	2 knife	1 rabbit	7 wheat 48 white
		56. FLAG		
	0 1 111		. D. U. I.	
33 America	2 drill	1 knew	1 Polish 2 post	1 stars &
95 American 1 any	1 English	1 lag	14 pretty	3 state
5 army	2 23.61.01.	1 land	1 proud	1 stick
	1 fell	1 language		9 stripe
l bag	4 fly	1 liberty	5 rag	1 striped
38 banner 1 battle	1 flying 6 free	1 lines 2 love	1 raised 94 red	26 stripes 1 Swede
1 beautiful	2 French		1 red & white	1 sword
15 big		1 make	19 red, white	
1 birthday	3 German	2 man	& blue	
1 blow 28 blue	1 Germany	2 march	1 Russian	1 train 1 truth
2 brave	6 good 2 goods	15 nation	1 salute	1 trutu
3 bright	1 green	2 nationality	2 school	19 United States
		2 native	1 shine	
1 carry	1 hag	1 navy	1 signal	1 war
1 cling 34 cloth	3 high 1 hold	4 nice	3 silk 2 soldier	62 waves
25 color	1 hurrah	2 our	2 soldiers	11 waving
1 colored		2 ours	1 staff	1 wavy
88 colors	1 Irish	0 -1	5 star	1 we
1 continent 121 country	6 July	2 play 38 pole	36 stars	5 white 1 window
121 country	o july	oo poic		1 wandow
		57. BOY		
1 active	1 ear	2 health	7 mean	3 shirt
I afraid	1 eat	1 hearted	1 mouth	8 shoes
6 haber	2 errand	1 height	1 myself	1 shout
6 baby 36 bad	2 eyes	1 help 1 home	2 name	1 sister 25 skate
55 ball	2 face	1 horse	9 naughty	2 skates
1 bean	1 fat	3 human	3 necktie	1 skating
1 being	2 feet	1 hungry	1 negro	1 ski
1 bicycle 9 big	11 fight 2 fighting	1 jacket	17 nice 1 nightmare	1 skull 9 small
n 20.0		- 100000		

2 blue	1 fights	1 John	1 no	6 snowball
1 body	1 fish	1 jump		4 son
1 boyhood	1 fishing	1 Junior	63 pants	1 store
3 boys	7 football		5 people	7 strong
3 brave	1 foy	10 kid	26 person	6 suit
2 bright	1 frank	1 killed	84 play	1 swim
1 brother	8 fun	1 kites	1 playful	
1 bum	1 funny		3 plays	2 tie
		1 lad	1 poor	1 toe
53 cap	6 games	2 large	1 pretty	1 toes
45 child	2 gentleman	1 laugh		2 toy
14 children	32 girl	1 lazy	1 quick	1 trouble
1 clean	1 girls	3 leg		16 trousers
9 clothes	1 go	1 like	1 race	
9 coat	37 good	1 limbs	1 read	1 Vivian
1 color	1 grocery	12 little	1 red	
1 cows	2 grow	1 living	1 rich	2 waist
1 creature	1 growing	1 loy	1 romp	2 wagon
		1 luck	18 rough	1 walk
1 darkey	5 hair		1 Roy	1 walked
2 dirty	1 haircut	4 mad	18 run	1 wear
1 do	1 happy	9 male	3 running	14 whistle
1 driving	1 hard	61 man	5 runs	29 work
1 drum	6 hat	5 marbles		
	6 he	1 master	11 school	4 young
1 eager	7 head	2 me	1 see	~
1 cuges			- 7	
		58. LIGHT		
1 Aladdin	67 day	1 headlight	1 noon-day	1 star
5 air	1 daytime	1 heaven		1 stone
	2 dirt	4 heavy	1 oil	1 store
1 baby	1 dog	1 help	3 out	2 strong
1 barn	1 dress	1 home	1 outside	2 suit
1 beautiful		9 house		29 sun
1 bird	6 easy		4 paper	1 sunny
1 black	5 electric	1 is	1 penny	
1 blaze	1 enough		1 pin	1 thought
1 book	2 eyes	1 kerosene	2 pretty	1 to-day
1 boy			3 poor	1 tower
1 bread	1 fair	251 lamp		
74 bright	5 feather	2 late	1 radiant	1 up
1 brighter	19 fire	1 lighting	1 read	1 us
5 burn	1 flame	1 lights	5 red	
1 burned	1 flash	1 like	6 room	1 walk
4 burning	1 flowers	4 look		3 want
			43 see	2 warm
2 candle	64 gas	2 man	1 seen	17 white
5 clear	1 glad	18 match	2 shade	12 window
1 coal	1 glass	1 matches	1 sharp	1 windows
11 color	47 good	1 mean	30 shine	4 work
1 complexion	1 grate	2 might	2 shines	2 write
1 cotton		4 moon	3 shining	1 writing
	5 hair	6 morning	1 ship	
99 dark	1 hall		2 shone	9 yellow
1 dawn	1 hard	4 nice	2 sky	9 yes
		10 night	4 soft	
		59. LAUGH		
1 ache	2 enjoy	28 hard	4 man	. 5 smiling
3 aloud	1 enjoying	4 hearty	3 me	1 sober
1 always	1 easy	1 hiceough	20 merry	3 something
			1 monkey	1 squeak
7 baby	7 face	7 joke	4 mouth	35 sweet
14 boy	2 fine	1 jokes		
1 boys	138 fun	50 jolly	3 noise	9 talk
1 burst	97 funny	53 joy		1 talked
		1 joyful	1 people	1 teeth
1 calling	1 gay		1 person	1 tickle
1 cat	22 giggle	1 lady	1 play	1 tickled
1 chatter	33 girl	3 laughed	2 pretty	1 time
2 cherry	1 girls	2 laughing		
27 children	26 glad	7 laughter	1 Santa	1 weak
1 clown	3 gladness	1 like	1 set	1 wide
1 comical	1 glee	2 lips	2 she	1 with
1 cough	9 good	2 long	1 shout	5 woman
1 crazy	3 gun	1 lot	2 show	1 women
1 crow		38 loud	1 sideache	1 wrong
14 cry	10 ha ha	1 lumber	2 silly	
0.1	4 happiness		1 sing	6 you
2 do	78 happy	1 makes	150 smile	

60. BIBLE

		60. DIDLE		
2 angel	1 create	1 hymns	1 page 1 poetry	7 study 11 Sunday
1 angels	2 cross	1 Jacob	25 pray	1 swear
3 believe	D 61038	1 James	6 prayer	1 sweet
5 big	1 dear	36 Jesus	1 prayer book	
4 black	1 dog		5 prayers	4 teach
1 blessed		7 learn	5 preach	1 teaches
2 blue	1 faith	1 learned	1 pretty	1 tells
224 book	3 faithful	3 lesson	4 priest	5 Testament
1 burnt		1 liar	1 prose	1 text
	2 Genesis	2 lible	1 psalms	3 think
1 carry	124 God	17 Lord	116	3 true 3 truth
1 catechism 2 Catholic	1 God's word 20 good	1 mamma	116 read 6 reading	5 truth
3 chapter	2 gospel	2 marble	4 religion	4 verse
22 Christ	2 gosper	1 mine	4 rengion	5 verses
10 Christian	1 have	4 minister	1 Sabbath	
110 church	1 heaven		1 save	5 words
2 church book	38 history	2 new	4 scripture	2 world
1 class	68 holy	2 nice	1 solemn	1 write
1 comment	3 holy book		3 stories	
	2 house	1 old	4 story	
		61. MILK		
	0.7		4 1244	26
47 baby	27 cream	1 glass	1 little	26 sour
1 bitter 10 bottle	1 cup	l goat	1 maid	1 spill 1 sugar
2 boy	4 drank	25 good	1 milked	1 swallow
2 bread	360 drink	1 have	1 milkman	25 sweet
3 breakfast	3 drinking	1 hot		
1 butter	1 drinks		1 nige	1 toast
	1 dry	1 ice		1 thin
1 can	2	1 impure	1 pail	4
10 cat 7 coffee	2 eat	1 ilk	1 pailful 2 pure	4 warm 8 water
4 cold	4 farm	2 kitty	2 pare	91 white
1 cook	1 fat		1 sick	,
280 cow	1 food	3 like	2 silk	
7 cows	1 fresh	9 liquid	1 song	
		62. SHEEP		
			. 11	
1 afraid	1 cool	1 garden	1 live	l ram
117 animal	8 country 2 cover	4 goat 3 goats	1 lost	1 range 2 run
1 animals 1 ate	1 cows	1 good	1 lots	2 run
1 atc	1 cunning	3 grass	1 1013	1 sewing
2 baa	, cuilling	1 gun	1 man	3 shear
6 baby	1 deep		5 many	32 shepherd
1 beast	1 did	1 has	6 meadow	1 shepherds
3 bed	4 dog	1 have	3 meat	7 skin
2 bell		1 heap	2 milk	1 slip
7 big	3 eat	1 herbs	1 money	1 steak
6 black 7 bleat	1 eyes	10 herd 1 herding	9 mutton 1 my	1 stock
1 bones	2 face	1 herdsman	1 my	1 track
1 boy	9 farm	1 here	6 nice	1 timen
1 brick	1 fed			1 walk
1 buy	1 feed	1 kept	1 old	1 walked
	1 field			1 wash
3 catch	4 fleece	1 lady	3 paper	57 white
11 cattle	1 fleet	79 lamb	16 pasture	411 wool
1 child	29 flock	1 lambkins	l pet	1 woolen
1 clean	1 flocks 1 frisky	29 lambs 3 leap	5 play 1 poor	1 woolly
3 cloth 1 clothes	11 fur	1 like	1 pretty	
1 coat		1 little	- pressy	
		63. BATH		
13 baby	1 cleanliness	1 have	1 person	3 take
1 baby's	10 cold	1 healthy	1 pours	1 toilet
1 ball	1 cool	1 here	1 -1	4 took
27 bathe	2 dirt	2 home 14 hot	1 river 1 robe	6 towel 131 tub
2 bathed 1 bathhouse	9 dirty	1 house	4 room	101 100
Datimouse	, unity			

3 bathing	1 door		1 run	1 wade
1 bathroom	1 dress	1 last		10 warm
		1 like	20 Saturday	143 wash
4 bathtub	1 family	7 little		
1 bird	1 fresh		4 scrub	1 washing
1 body	1 feet	1 lot	4 shower	1 washtub
5 boy	3 fire		1 sink	295 water
	-	1 naked	8 soap	1 week
1 boys	11-1			1 WCCK
1 but	1 girl	1 naughty	1 splash	
	11 good	1 neck	9 swim	2 yesterday
1 camp	5 had	7 nice	3 swimming	
	1 happy			
192 clean	1 nappy			
		64. COTTAGE		
		04. COLLAGE	4	
		70 1		
1 age	1 cute	79 live	1 red	1 swimming
		1 lived	1 rent	_
	1 dirty	1 lives	1 residence	2 take
1 bad				2 take
4 big	1 door	1 log	1 river	
1 blotch			1 roof	3 village
	2 farm	1 man	2 room	
				A
3 bungalow	1 father	1 matey		4 warm
1 burnt	1 funny		1 run	1 we
1 buy		1 neighbors		1 where
1 Duy	2 good	1 news	3 school	1 wife
	2 good			
1 carpet		12 nice	1 sea	2 window
1 chair	101 home		1 shack	1 women
39 cheese	1 hot	1 paint	1 shanty	17 wood
1 children	425 house	1 paper	1 shelter	2 wooden
1 clean	9 hut	1 plain	1 shoot	14 woods
1 comfortable		1 poor	2 sleep	1 work
	1 lady	3 porch	36 small	
2 cot				11
6 country	117 lake	1 pretty	2 snug	1 yard
5 cozy	34 little		3 stove	
		1 rain	14 summer	
		65. SWIFT		
		00. 5 ** ** *		
1 anton	2 care	1 goes	10 quick	1 Santa
1 actor				
3 air	1 car	3 going	1 quite	1 see
3 arrow	3 cars			1 skate
11 auto	1 company	1 Hiawatha	1 rabbit	1 sled
		124 horse	11 race	
6 automobile	11 current			
		3 horses	1 raise	28 slow
1 baby	4 deer	1 hose	7 ran	4 speed
	1 drive	4 hurry	1 read	1 stream
	1 drive	4 muity		1 Stream
2 baseball			4 reindeer	
1 beat	1 engine	1 kick	1 ride	1 threw
3 bicycle			1 rider	1 time
2 bird	1 falls	1 lard	1 riding	1 to
	was a second			
1 birds	391 fast	1 legs	1 ring	15 train
3 boat	7 feet	2 lift	14 river	
1 boy	1 firehorses		1 rough	3 wagon
	1 fleet	1 meal	1 round	8 water
		A		
1 bring	8 fly	1 motor	202 run	3 went
1 broom	3 foot	1 mouse	13 runner	4 wind
1 bullet	1 footed		16 running	1 work
1 builet	1 Toolea	1 mont	1 runs	- 11011
2		1 nest	1 Tuns	
1 can	4 go	1 not		1 you
		66. BLUE		
			0.00	
3 air	1 boy	6 flower	1 light blue	1 sea
			1 line	1 silver
1 any	1 bread	1 fly	1 mile	
1 apron	24 bright	1 forgetmenot		1 sister
	1 brown		1 mark	1 skirt
1 bad		1 globe	1 match	102 sky
1 bag	1 circus	1 good	1 mew	2 stick
2 ball	1 clean	1 goods		3 sticky
2 balloon	4 cloth	1 green	2 navy	1 stocking
		. 6	3 nice	12 suit
1 bean flower	4	1 1	o mee	
1 beautiful	6 coat	1 hard	22	1 sweater
1 beauty	318 color	4 hat	22 paint	
1 bell		3 high	6 paper	£ 4
4 Lin	1 crew			6 true
4 big		2 horn	3 paste	
4 bird	12 dark	9 house	1 pastry	1 very
3 black	1 dirty		10 pencil	· very
		1 T	2 picture	
1 blood	1 draw	1 I	15 prottire	1 violet
1 blossom	173 dress	3 ink	15 pretty	
			2 sad	3 waist
				3 water

1 blow	1	dresses	1	it		printing		whistle
1 blue bird					1	purple	1	wild
1 blue jay	1	egg	4	jacket			34	wind
6 bluing	1	eyes	2	jay		red	1	windy
1 boat				* * *	1	red, white &	1	writing
1 boo	1	fair	1	lake		blue		
1 book	1	fast	1	lamp	2	ribbon	1	yellow
1 box	82	flag		light	1	round		
			67	HUNGRY	-			
			01	HONGKI				
5 am	1	cooky	1	hear	1	pangs	1	table
		COOKY		home	-	pantry		taste
1 angry 3 appetite	1	die		horse				tasty
						peace		
1 apple		dinner		house		people		terrible
1 apples		dog	5	hunger		person		than
3 ate		dogs		-		pity		thin
1 awfully		doughnut		I	1	plant		thirst
		drink	2	is	18	poor		thirsty
14 baby	1	dry			1	potato	1	time
2 bad			1	jam	2	potatoes	3	tired
1 bad feeling	337	eat					1	too
3 bear	1	eatable	1	lamb	1	rabbit	1	tramp
3 beggar		eating		lion		robin		
1 Belgian		eats		little	_		3	very
1 belly		empty	-	lunch	1	satisfied		
2 bite		eyes				school	1	wait
1 black	1	0,00	0	man		sea		want
	4	face						
12 boy		face		meals		sick		wants
2 boys		faint		meat		sit		wanting
173 bread		famine		men		small		war
1 breakfast		feast		milk		sober		warm
	1	feed	1	minstrel		something	1	was
1 cake		fight	1	mouth	1	starvation	1	water
1 candy	55	food			47	starve	1	weak
2 cat		fox	1	need		starved	3	wolf
2 chicken				neighbor		starving		woman
2 children	1	German		noon		stomach		work
2 coffee		girl		nothing		sugar		WOIR
							-	
	C)		A.	\$3.0332	1	CHIDDOF	1	
1 cold	9	good	4	now	1			yellow
1 cold 1 cook						supper	2	yes
1 cold		head		now oatmeal			2	
1 cold 1 cook							2	yes
1 cold 1 cook			1	oatmeal	1		2	yes
1 cold 1 cook			1		1		2	yes
1 cold 1 cook 1 cookies	2	head	6	oatmeal 8. PRIEST	1	sweet	1	yes you
1 cold 1 cook	2	head	6	oatmeal	57	sweet	1	yes you speaker
1 cold 1 cook 1 cookies 4 altar	1 1	head death demon	1 6 1	oatmeal 8. PRIEST kill him	57 1	preacher preaches	1 1 1	yes you speaker speaking
1 cold 1 cook 1 cookies	1 1	head	1 6 1 15	oatmeal 8. PRIEST kill him learn	57 1	sweet	1 1 3	yes you speaker speaking speech
1 cold 1 cook 1 cookies 4 altar	1 1	head death demon	1 6 1 15	oatmeal 8. PRIEST kill him	57 1	preacher preaches	1 1 1 3 16	yes you speaker speaking speech Sunday
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads	1 1 1 1	head death demon	1 6 1 15 1	oatmeal 8. PRIEST kill him learn letter	57 '1 3	preacher preaches preaching	1 1 1 3 16	yes you speaker speaking speech
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible	1 1 1 1	head death demon died	1 6 1 15 1 69	oatmeal 8. PRIEST kill him learn letter man	57 '1 3	preacher preaches preaching	1 1 3 16 1	speaker speaking speech Sunday Swede
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible	1 1 1 1	head death demon died	1 6 1 15 1 69	oatmeal 8. PRIEST kill him learn letter man	57 11 3	preacher preaches preaching read reading	1 1 3 16 1	yes you speaker speaking speech Sunday
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big	1 1 1 1 8	head death demon died east father	1 1 15 1 69 1	oatmeal 8. PRIEST kill him learn letter	57 '1 3 1 2 1	preacher preaches preaching read reading religion	1 1 3 16 1 2	speaker speaking speech Sunday Swede talk
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop	1 1 1 1 8 1	death demon died east father flock	1 1 15 1 69 1 	oatmeal 8. PRIEST kill him learn letter man marriage married	57 13 3 12 11	preacher preaches preaching read reading religion religious	1 1 3 16 1 2	speaker speaking speech Sunday Swede talk talks
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak	1 1 1 1 8 1 1	death demon died east father flock fold	1 15 1 69 1 5 2	oatmeal 8. PRIEST kill him learn letter man marriage married marry	57 11 3 1 2 1 1	preacher preaches preaching read reading religion religious reverend	1 1 3 16 1 2 1 4	speaker speaking speech Sunday Swede talk talks teach
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book	1 1 1 1 8 1 1 1	death demon died east father flock fold folded	1 15 15 1 69 1 5 2	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass	57 13 3 12 11 11	preacher preaches preaching read reading religion religious reverend rich	1 1 3 16 1 2 1 4 2	speaker speaking speech Sunday Swede talk talks teach teacher
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother	1 1 1 1 8 1 1 1	death demon died east father flock fold	1 1 15 1 69 1 5 2 12 2	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master	57 13 3 1 2 1 1 1 1	preacher preaches preaching read reading religious reverend rich robe	1 1 3 16 1 2 1 4 2 1	speaker speaking speech Sunday Swede talk talks teach teacher tear
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book	1 1 1 1 8 1 1 1	death demon died east father flock fold folded friar	1 1 15 1 69 1 5 2 12 2	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass	57 13 3 1 2 1 1 1 1	preacher preaches preaching read reading religion religious reverend rich	1 1 3 16 1 2 1 4 2 1 1	speaker speaking speech Sunday Swede talk talks teach teach teach there
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk	1 1 1 1 8 1 1 1 1 1 2 5	death demon died east father flock fold folded friar God	1 15 1 69 1 5 2 12 12 168	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister	57 13 3 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	preacher preaches preaching read reading religion religious reverend rich robe	1 1 3 16 1 2 1 4 2 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles	1 1 1 1 8 1 1 1 1 1 2 5 27	death demon died east father flock fold folded friar God good	1 15 1 69 1 5 2 12 2 168	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper	57 11 3 1 1 1 1 1 1	preacher preaches preaching read reading religion religious reverend rich robe robes said	1 1 3 16 1 1 2 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet	1 1 1 1 8 1 1 1 1 1 2 5 2 7 9	death demon died east father flock fold folded friar God good gospel	1 15 1 15 1 69 1 1 5 2 12 2 168	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor	57 1 3 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	preacher preaches preaching read reading religion religious reverend rich robe robes said school	1 1 3 16 1 1 2 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral	1 1 1 1 8 1 1 1 1 1 2 5 2 7 9	death demon died east father flock fold folded friar God good	1 1 15 1 69 1 1 5 2 12 2 168	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people	57 11 3 1 2 1 1 1 1 1 1 1 1 1 1	preacher preaches preaching read reading religion religious reverend rich robe robes said school sermon	1 1 1 3 16 1 1 2 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic	1 1 1 1 1 1 1 1 1 1 1 1 1 2 5 2 7 9 9 1	death demon died east father flock fold folded friar God good gospel great	1 1 15 1 69 1 1 5 2 2 1 2 2 1 68 3 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray	57 13 3 12 11 11 11 11 11 14	preacher preaches preaching read reading religion religious reverend rich robe robes said school sermon serves	1 1 1 3 16 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral	1 1 1 1 1 1 1 1 1 1 1 1 1 2 5 2 7 9 9 1	death demon died east father flock fold folded friar God good gospel	1 15 1 69 1 5 2 12 2 168 3 9 1 17	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers	57 11 3 1 1 1 1 1 1 1 1 1 1 1 1	preacher preaches preaching read reading religion religious reverend rich robe robes said school sermon serves service	1 1 1 3 16 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic	1 1 1 1 1 1 25 27 9 1	death demon died east father flock fold folded friar God good gospel great	1 15 1 69 1 5 2 12 168 3 9 1 17 7	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers praying	57 11 3 1 1 1 1 1 1 1 1 1 1 1 1	preacher preaches preaching read reading religion religious reverend rich robe robes said school sermon serves	1 1 3 16 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic 1 Christ	2 1 1 1 1 1 1 1 2 5 2 7 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	death demon died east father flock fold folded friar God good gospel great healthy	1 15 1 69 1 5 2 12 168 3 9 1 17 7	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers	57 °1 3 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	preacher preaches preaching read reading religion religious reverend rich robe robes said school sermon serves service shirt singing	1 1 3 16 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding where
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic 1 Christ 271 church	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	death demon died east father flock fold folded friar God good gospel great healthy heaven	1 15 1 69 1 5 2 12 2 168 3 9 1 17 17	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers praying	57 °1 3 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	preacher preaches preaching read reading religion religious reverend rich robe robes said school sermon serves service shirt singing	1 1 3 16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding where white wife
1 cold 1 cook 1 cookies 4 altar 4 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic 1 Christ 271 church 1 church man	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	death demon died east father flock fold folded friar God good gospel great healthy heaven holy	1 15 1 69 1 5 2 12 2 168 3 9 1 17 17	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers praying prays	57 °1 3 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	preacher preaches preaching read reading religion religious reverend rich robe robes said school sermon serves service shirt	1 1 3 16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding where white
1 cold 1 cook 1 cookies 4 altar 4 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic 1 Christ 271 church 1 church man	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	death demon died east father flock fold folded friar God good gospel great healthy heaven holy	1 15 1 69 1 5 2 12 168 3 9 1 177 12 2 2 41	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers praying prays preach	57 11 3 12 11 11 11 11 11 11 11 11 11 11 11 11	preacher preaches preaching read reading religion religious reverend rich robe robes said school sermon serves service shirt singing	1 1 3 16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding where white wife
1 cold 1 cook 1 cookies 4 altar 4 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic 1 Christ 271 church 1 church man	2 1 1 1 1 1 2 5 27 9 1 1 13 13 5	death demon died east father flock fold folded friar God good gospel great healthy heaven holy	1 15 1 69 1 5 2 12 168 3 9 1 177 12 2 2 41	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers praying prays	57 11 3 12 11 11 11 11 11 11 11 11 11 11 11 11	preacher preaches preaching read reading religion religious reverend rich robe robes said school sermon serves service shirt singing	1 1 3 16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding where white wife
1 cold 1 cook 1 cookies 4 altar 4 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic 1 Christ 271 church 1 church man	2 1 1 1 1 1 2 2 5 2 7 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	death demon died east father flock fold folded friar God good gospel great healthy heaven holy home	1 15 1 1 5 2 1 1 2 2 1 1 1 7 1 1 2 2 4 1 1 6 6	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers praying prays preach 9. OCEAN	57 13 3 12 11 11 11 11 11 11 11 15 5	preacher preaches preaching read reading religion religious reverend rich robe robes said school sermon serves service shirt singing speak	1 1 1 3 16 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding where white wife worship
1 cold 1 cook 1 cookies 4 altar 4 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic 1 Christ 271 church 1 church man	2 1 1 1 1 1 2 2 5 2 7 9 1 1 1 1 1 1 3 5 1 1 1 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1	death demon died east father flock fold folded friar God good gospel great healthy heaven holy home	1 15 1 1 5 2 1 1 2 2 1 1 1 7 1 1 2 2 4 1 1 6 6	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers praying prays preach	57 13 3 12 11 11 11 11 11 11 11 15 5	preacher preaches preaching read reading religion religious reverend rich robe robes said school sermon serves service shirt singing	1 1 3 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding where white wife worship
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic 1 Christ 271 church 1 church 1 church 1 collar	2 1 1 1 1 1 2 2 5 2 7 9 1 1 1 1 1 1 3 5 1 1 1 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1	death demon died east father flock fold folded friar God good gospel great healthy heaven holy home	1 15 1 1 5 2 1 1 2 2 1 1 1 7 1 1 2 2 4 1 1 6 6	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers praying prays preach 9. OCEAN	5771331221111111111111111111111111111111	preacher preaches preaching read reading religion religious reverend rich robe robes said school sermon serves service shirt singing speak	1 1 3 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding where white wife worship
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic 1 Christ 271 church 1 church 1 collar	2 1 1 1 1 1 2 2 5 2 7 9 1 1 1 1 1 1 3 5 1 1 1 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1	death demon died east father flock fold folded friar God good gospel great healthy heaven holy home	1 15 1 15 1 15 1 15 1 16 1 17 1 17 1 17	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers praying prays preach 9. OCEAN	57 11 3 12 11 11 11 11 11 11 11 15	preacher preaches preaching read reading religion religious reverend rich robe robes said school sermon serves service shirt singing speak	1 1 3 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding where white wife worship
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic 1 Christ 271 church 1 church 1 church man 1 collar	2 1 1 1 1 1 2 5 2 7 9 1 1 1 1 1 3 5 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	death demon died east father flock fold folded friar God good gospel great healthy heaven holy home	1 15 1 15 1 1 5 2 2 168 3 9 1 1 17 1 2 2 2 4 1 1 3	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers praying prays preach 9. OCEAN over	57 11 12 11 11 11 11 11 11 11 11 11 11 11	preacher preaches preaching read reading religion religious reverend rich robe robes said school sermon serves service shirt singing speak salty saw sea	1 1 3 16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding where white wife worship the Titanic
1 cold 1 cook 1 cookies 4 altar 4 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic 1 Christ 271 church 1 church 1 church man 1 collar 2 across 7 Atlantic 2 beach	2 1 1 1 1 1 2 5 2 7 9 1 1 1 1 1 3 5 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	death demon died east father flock fold folded friar God good gospel great healthy heaven holy home	1 15 1 1 5 2 1 2 2 1 1 6 8 3 9 9 1 1 1 7 1 1 2 2 2 4 1 1 6 6 1 3 5 5	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers praying prays preach 9. OCEAN over Pacific pearls	57 11 3 12 11 11 11 11 11 11 11 11 11 11 11 11	preacher preaches preaching read reading religion religious reverend rich robe robes said school sermon serves service shirt singing speak salty saw sea seas	1 1 3 16 1 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding where white wife worship the Titanic war
1 cold 1 cook 1 cookies 4 altar 4 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic 1 Christ 271 church 1 church 1 church 1 church 1 church 2 across 7 Atlantic 2 beach 1 beautiful	2 1 1 1 1 1 2 2 5 2 7 9 1 1 1 1 1 1 3 5 1 1 1 1 1 1 1 1 1 1 1 1	death demon died east father flock fold folded friar God good gospel great healthy heaven holy home	1 15 1 1 5 2 1 2 2 1 1 6 8 3 9 9 1 1 1 7 1 1 2 2 2 4 1 1 6 6 1 3 5 5	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers praying prays preach 9. OCEAN over	57 11 3 12 11 11 11 11 11 11 11 11 11 11 11 11	preacher preaches preaching read reading religious reverend rich robe robes said school sermon serves service shirt singing speak salty saw sea seas seal	2 1 1 1 3 16 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding where white wife worship the Titanic war water
1 cold 1 cook 1 cookies 4 altar 4 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic 1 Christ 271 church 1 church 1 church 1 church 1 church 1 collar 2 across 7 Atlantic 2 beach 1 beautiful 42 big	2 1 1 1 1 1 2 2 5 2 7 9 1 1 1 1 1 1 3 5 1 1 1 1 1 1 1 1 1 1 1 1	death demon died east father flock fold folded friar God good gospel great healthy heaven holy home	1 15 1 1 5 2 2 1 1 6 8 3 9 9 1 1 7 1 1 2 2 4 1 1 6 6 1 1 3 5 5 1 1	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers praying prays preach 9. OCEAN over Pacific pearls pilgrims	57 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	preacher preaches preaching read reading religious reverend rich robe robes said school sermon serves service shirt singing speak salty saw sea seas seas seal seals	2 1 1 1 3 16 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding where white wife worship the Titanic war water wave
1 cold 1 cook 1 cookies 4 altar 1 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic 1 Christ 271 church 1 church 1 church 1 church 1 collar 2 across 7 Atlantic 2 beach 1 beautiful 42 big 7 blue	2 1 1 1 1 1 2 2 5 2 7 9 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	death demon died east father flock fold folded friar God good gospel great healthy heaven holy home fish flow good hear	1 15 1 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers praying prays preach 9. OCEAN over Pacific pearls pilgrims riches	57 12 11 11 11 11 11 11 11 11 11 11 11 11	preacher preaches preaching read reading religion religious reverend rich robe robes said school sermon serves service shirt singing speak salty saw sea seas seas seal seals shell	2 1 1 1 3 16 1 1 2 1 1 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding where white wife worship the Titanic war water wave waves
1 cold 1 cook 1 cookies 4 altar 4 back 1 baptize 1 beads 21 Bible 1 big 1 bishop 1 blackcloak 2 book 1 brother 1 bunk 1 candles 1 carpet 1 cathedral 111 Catholic 1 Christ 271 church 1 church 1 church 1 church 1 church 1 collar 2 across 7 Atlantic 2 beach 1 beautiful 42 big	2 1 1 1 1 1 2 2 5 2 7 9 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	death demon died east father flock fold folded friar God good gospel great healthy heaven holy home	1 15 1 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	oatmeal 8. PRIEST kill him learn letter man marriage married marry mass master minister paper pastor people pray prayers praying prays preach 9. OCEAN over Pacific pearls pilgrims	57 12 11 11 11 11 11 11 11 11 11 11 11 11	preacher preaches preaching read reading religious reverend rich robe robes said school sermon serves service shirt singing speak salty saw sea seas seas seal seals	2 1 1 1 3 16 1 1 2 1 1 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1	speaker speaking speech Sunday Swede talk talks teach teacher tear there think wagon ward wedding where white wife worship the Titanic war water wave

20 boats	13 lake	36 river 3 roar	36 ships 1 shore	1 were 1 whale
1 calm	1 lands	5 rough	1 sky	1 whales
1 coast	4 large 4 liner	1 round	1 sponge 1 steamboat	1 wharf 35 wide
23 deep		3 sail	11 steamer	1 wild
1 dip	1 New York	1 sails 6 salt	1 steamship 1 swift	
14 drown	1 on	1 saltwater	2 swim	
1 drowned	1 04		2 SWIII	
		70. HEAD		
22 ache	1 dead	3 headache	12 nose	1 sore
13 aches	1 dog	2 hear	1 nut	1 sparrow
1 aching	3 doll	1 hog 2 horse	3 off	5 talk
1 army	2 ear	1 human	1 on	1 talker
1 band	2 ears		. 041	2 teeth
1 ball	1 eat	1 it	1 part	1 there
1 bed	1 elephant		3 people	59 think
15 big	16 eye	2 large	5 person	2 thinking
1 bird	91 eyes	5 lead	1 augustana	1 thinks
1 black	42 face	2 learn 1 light	1 quarters	6 thought
1 blood 26 body	1 fat	2 listen	1 red	1 top
1 bone	1 611	4 little	1 rough	1 up
3 boy	1 fish		58 round	3 use
2 braid	1 fist	1 made		
25 brain	9 forehead	10 man	1 sausage	1 veins
137 brains	1 funny	3 memory	3 scalp	1
1 bumps	1 girl	46 mind 1 mine	1 school 8 see	1 warm 1 were
6 cabbage	5 good	9 mouth	2 sense	1 white
2 captain	1 grant	1 move	1 sings	1 WHITE
1 chest	- 8	1 my	14 skull	1 yours
8 chicken	203 hair		1 sleep	
1 clean	1 hang	2 nails	9 small	1 zebra
1 cloth	3 hard	2 neck	1 smiles	
1 comb 3 cut	12 hat 1 hats	1 nerve 1 nerves	1 soft	
3 cut	1 nats	1 nerves		
		71. STOVE		
1 bake	3 cooking	1 hair	1 log	1 rat
1 baking		3 hard	1 love	1 red
5 big	1 damper	117 heat	1 match	1 rusty
37 black 1 blue	1 exploded	3 heater 1 home	1 match 1 move	2 smoke
1 broken	1 exploded	200 hot	1 move	2 SHOKE
103 burn	1 611	1 house	1 nice	8 use
8 burning	164 fire		1 nickel	
6 burns	2 fry	45 iron		127 warm
1 ahimman	1	1 Litaban	2 oven	8 warmth
1 chimney 16 coal	l gas	1 kitchen	1 names	1 went 5 winter
1 coke	l girl l going	2 legs	1 paper 12 pipe	11 wood
7 cold	1 good	1 lid	6 polish	1 world
62 cook		1 little		
			5 range	
		72. LONG		
2 ago	1 engine	1 lanky	1 read	2 table ·
1 arrow	1 eraser	7 large	12 ribbon	1 tail
4 away	1 every	7 legs	6 ride	1 tale
		25 length	9 river	33 tall
1 bad 55 big	1 face	2 lengthy	4 road	1 telephone
1 bird	90 far 1 feet	1 lesson 3 line	4 room 26 rope	1 ten 2 thin
1 black	1 field	1 log	1 rough	3 thing
1 blaze	1 figure	1 lonesome	1 rug	1 thong
9 block	1 find	2 longer	6 ruler	1 thought
11 board	1 finger	1 long for		1 thread
4 boat	23 fingers	1 lots	1 sad	41 time
1 cabin	1 fish	7	3 school 1 see	1 Tipperary
2 cakes	1 flat 1 floor	7 man 1 mane	1 see 1 shirt	2 tiresome 5 train
1 car	1 flower	1 measure	45 short	1 tree
1 cat	1 flown	9 mile	3 shout	2 trip
1 chain		2 miles	2 sidewalk	

1 change 1 child	1 go 1 goods	1 mirrors 2 narrow	6 skinny 31 skirt 1 skirts	1 verse 4 very 1 visit
5 city 1 cloth	75 grass 5 green	2 narrow 2 neck	13 slender	1 V1516
10 coat	0 8.0011	1 night	1 slim	1 wagon
1 color	22 hair	1 noon	2 slow	8 wait
2 cord	1 hall	2 nose	1 small	1 waiting 5 walk
1 corn 1 cot	1 hard 1 he	1 oblong	3 snake 1 some	1 wall
1 court	1 heavy	1 off	1 sort	1 want
1 cut	6 high		1 spring	31 way
	1 hollow	1 page	4 stay	1 while
1 daddy 3 day	1 horse 3 hour	2 paper 1 path	21 stick 2 store	12 wide 4 width
1 deep	3 hours	7 pencil	4 stork	2 wish
1 desk	2 house	2 person	6 story	1 wood
6 distance		1 piece	3 straight	2 word
1 distant 1 door	1 it	2 pipe 8 pole	1 stream 2 street	1 worm
42 dress	1 lake	o pole	48 string	3 yard
12 41000	1 lane	1 queer	2 swing	2 years
		73. GHOST		
73 afraid	3 fairy	2 howling	1 party	2 silent
1 angel 1 animal	1 fear 1 figure	1 image	1 person 18 play	8 skeleton 1 small
1 animai	1 fool	2 imagine	1 post	36 spirit
6 bad	1 foolish		1 pretty	8 spook
1 believe	3 fright	3 killed	0	1 spooky
1 big	1 frighten 35 frightened	2 large	2 roast 6 robber	1 story
1 bind 1 bird	1 fun	24 lights	3 robbers	1 teacher
5 black	5 funny	1 like	4 run	2 Thanksgiving
1 blanket		1 look		1 think
1 bogies	1 good-night	41 man	1 saw 47 scare	1 true
1 cemetery	88 Hallowe'en	41 man 6 mean	5 scarecrow	2 vision
1 creeps	1 haunt	2 men	39 scared	- 1101011
	1 haunted	2 moon	1 scares	364 white
28 dark	1 head	2 most	1 see 2 shade	1 wig 4 witch
23 dead 1 devil	1 holler 1 horrible	4 nice	7 shadow	1 woman
1 die	1 horrid	6 night	20 sheet	2 wood
	1 host	1 none	1 show	
1 faces	2 house	2 nothing	2 sight	1 you
		74. WHISKE	Y	
1 abuse	1 bum	1 good	9 man	1 rum
1 acid	1 burns	1 glass	1 mean 1 medicine	2 rye
15 alcohol	1 corn	8 had	1 medicine 31 men	57 saloon
1 angry	1 COIN	1 hard	1 much	9 sick
41 bad	3 dope	1 hog		10 strong
1 barley	7 drank	1 home	1 name	1 tantalising
1 barrel 108 beer	279 drink 1 drinker	1 hot	2 nasty 2 nose	1 tantalizing 7 taste
2 bitter	12 drinking	5 intoxicated		1 temperance
1 blind pig	2 drinks		1 parents	1 tiger
1 blue	138 drunk	1 judge	1 play	1 tonic
9 booze	13 drunkard 1 drunken	1 like	1 poison 1 poor	8 water
1 boozer 28 bottle	1 didiken	24 liquid	1 poor	1 wet
19 brandy	1 fellow	97 liquor	1 rat	1 wild
5 brown	1 firewater	1 liquors	1 red	7 wine
		75. CHILD		
1 afraid	1 dear	1 hurt	1 name	1 sickly
1 age	1 died	3 infant	1 nature	1 sister
185 baby	6 dress	3 intant	1 naughty 7 nice	1 six years 1 sleep
18 bad	1 ear	5 kid	1 niece	45 small
11 big	2 eat	1 kiss	1 nurse	1 smart
1 birth	1 eyes	1 10000	1 -14	1 spirit
26 born	1 feet	1 large 2 legs	1 old	1 steal 1 stocking
90 boy 1 brothers	1 fight	1 lild	1 people	3 stork
			15 person	

				40	11441		**		
		5	friend		little	1	pile	1	strong
8	candy			3	lost	36	play	1	sturdy
94	children	1	get	8	love	2	playing	1	sweet
1	Christ	93	girl			4	plays		
É	clean		good	1	mad	11	poor	1	take
12	clothes	, ,	8000	i	mamma	1	pretty	i	that
13		3	hair			1			FIREF
1	clothing			3	man	1	pupil		11-
1	cold	2	hand	1	meal	-	***	1	walk
1	creature	1	hands	2	mean	1	ribbon	1	warm
1	cries	1	happy	1	milk	1	ride	1	well
21		1	hat	1	mind	12	run	1	while
1	crying	2	head	1	mine	2	running	1	white
5		1	hid	1	mischief		runs	1	won't
2	cute	1	hood	26	mother		Luna		11 011 6
		1		20		10	ashasl	2	
1	dance	1	house	1	mothers	12		3	young
1	daughter	1	human	4	myself	1	scold		
1	dead	1	humor			1	sick		

76. FRIEND

1	acquaintance	2	dead	2	he	1	mates		red
1	acquainted	1	dear	1	help	1	mean	2	relation
1	afraid	1	death	1	hend	1	meet	4	relative
1	Alice	2	dog	1	him	3	mine	1	rend
1	America			1	horse	1	money	1	ring
1	Annie	1	Edith	1	hurt	4	mother	1	Roy
1	August	1	Edna			1	move		
4	aunt	1	Elson	1	Ida	1	Mrs.	3	school
		4	enemy	1	invite	6	my	4	schoolmate
2	bad	1	Evelyn	1	Irish			1	see
1	bend	1	everyone			1	name	1	she
19	best			1	John	22	neighbor	1	ship
112	boy	1	father			2	nephew	1	sick
3	boys	1	fellow	1	killed	13	nice	1	sing
1	Brady	3	fight	6	kind	1	no	1	skin
3	brother	1	fire	2	kindness	1	nobody	1	smoke
	2.00	1	foe	8	know	1	now	1	some one
1	Carl	14	friends	-					
3	children	4	friendship	11	lady	1	over	1	this
1	chick	2		2	lend				
98	chum	-		6	like	1	pal	1	visit
1	clean	1	gentleman	1	little	2	pals	1	visiting
1	Clifford	118		î	Louise	1	park	-	
î	Clint	1	girls	23	love	2	partner	1	walk
10	companion	2	go	1	loved	15	people	2	
5	company	1	gone	1	lovely	25	person	1	who
2	company	94			lovely	35	play	2	
1	country	74	got	1	mad	2		1	women
1	course		Rot	8	man	35	L		WOMEN
66		1	happiness	4	marry	1	playmates	1	years
00		10		7		1	plenty	8	
1	cousins	10		55	Mary	1	pretty	1	your
1	cross	8	have	22	mate	1	pretty	2	
						1	Rea	2	yours

77. HAMMER

1	axe	1	drive	2	knock	1	papa's	4	strong
			_			1	pieces	1	swings
1	baby	37	finger	1	lead	288	pound		
1	beat			6	little	. 1	pounded	1	tack
1	big	1	good	5	loud	1	pounder	11	tool
1	blacks	_	0	1	lumber	28	pounding	3	tools
1	blacksmith	1	hand			4	pounds		
1	board	g	handle	1	make			2	use
1	broken	1	happy	î	manner	1	rammer		
1	build	20	hard	1	man	1	rap	1	we
2	building	3	hatchet		III III	-		7	wood
1	busted	1	have	212	nail	1	saw	2	work
1	Dusted	1		186		î	slam	1	works
4		1	head	100		2	sledge	î	workshop
1	carpenter	1	heavy	1	new	1			WOLKSHOP
5		32	hit	6	noise	1	smash	4	
1	club	4	house	1	noisy	2	sore	1	your
1	crack	2	hurt	2	nuts	1	square		
						1	steel		
		62	iron	1	ouch	1	strike		

78. THIRSTY

2	am	3	crow	. 9	girl	11	milk	1	thirst
4	are	3	cup	1	going	1	mother	1 4	throat
1	baby	1	dog	1	home	3	parched	1	too
3	beer		drank	1	horse	1	pop		
1	burning	364	drink drinker	17	hot	1	pump	1	very
2	camel	1	drinking	-		4	quench	8	want
2	cat	132	dry	1	lemonade		quenched	1	wash
3	child			1	lonesome		•	377	water
1	choke	1	filled			4	salt	2	weak
3	coffee	1	food	1	mad	1	starve	1	well
1	cooking			6	man			2	women would

79. CITY

				-	9. CITT				
1	air	1	corner	1	I		name	27	state
1	automobile	3	council	1	inhabitants	2	New York	5	store
		86	country	1	it	2	noise	12	stores
3	beautiful	1	crowd					1	story
1	Berlin	_		1	July	1	oblong	1	story
124	big	1	dark			1	old	2	St. Paul
4	block	5	dirt	1	lady			12	street
7	blocks	10	down	4	lamp	1	Paris	5	streetcar
2	building	1	dust	5	land	3	park	2	streets
5	buildings	-	Ca tage		large	1	paving		
1	burned	1	eat	2	lighted	44		1	table
i	burning	-	CHI	1	lights	1	place	1	tired
2	burnt	1	folk	ī	like	1	president	1	Toledo
_	Duran	2		î	line	-	President	110	
1	canal	-	ALLEN	2	little	1	rat	1	travel
2	capital	2	go	1	lity	1	rest	1	Turkey
2	car	1	going	50	live	ī	resting	-	
2	cat	3	good	2	lived	î	roads	1	United
11	chair		Book		lone	2		2	U. S.
3	cheer	1	hill		aone.	_	roems	_	0. 0.
1	church	22		1	made	2	seat	2	village
20		2		i	majority	2	seated	ī	
4		1	hospital	8	man	1	sewer		41016
6		15		2	men	î	sidewalk	1	wagon
1		14		218		î	sit	î	wagons
1	coming	14	Houses	10			510	3	water
				10	Milliosota			1	we
									we

80. SQUARE

1	acre arithmetic	83	corners		hole house		not round	1	school schoolhouse
		1	cube					8	shape
1	back			2	ice	95	oblong	1	sharp
1	bear	1	deep	1	in	1	one	1	shoulders
9	big	4	desk		inch			2	sides
1	bills	1	door		inches	28	paper	2	sidewalk
3	blackboard	1	draw	1	isn't	4	park	1	small
300	block					1	parts	1	50
4	blocks	4	edges	2	Jackson	2	perfect	1	soldiers
7	board	2	equal			4	picture	1	stand
15	book	1	eraser	11	large	2	piece	1	steel
80	box	20	even		length	4	place	1	steeple
1	boy	7	exact	. 1	lengthwise	1	plank	30	straight
4	brick			1	letter	1	plate	1	sugar
1	Bridge	1	feet	1	level	3	play		
1	building	1	figure	4	line	1	plot	5	table
		3	flat	1	lines	1	public	1	that
1	cake	2	floor	1	log		•	6	thing
1	cakes	1	foot	17	long	1	right	1	tool
1	candy	3	four		lot	4	ring	1	town
1	cards	1	four-cornered			1	rock	1	triangle
1	case	1	fraction	1	make	1	rod		
1	carpet			1	map	6	room	2	walk
1	cell	2	game	1	market	35	round	1	while
2	chair	1	goods	1	mats	3	rug	12	wide
2	circle						ruler	3	wood
1	cloth	1	handkerchief	1	nice				
								5	vard

81. BUTTER

		or. Boile		
1 bad	9 dairy	1 goat	1 love	1 salt
467 bread	1 dandy	37 good		1 salty
1 brown	1 dear	5 grease	1 made	1 scatter
10 butterfly	3 dish	1 greasy	1 man	5 smear
1 but	122 eat	2 hard	3 melt 47 milk	8 soft
1 chann	2 eatable	8 high	1 mutton	5 spread
1 cheap 13 cheese	1 egg	1 house .	1 matton	1 square 3 store
18 churn	1 eggs	a nouse .	1 nice	4 sweet
15 cow		1 I		1 syrup
5 cows	1 farmer		1 on	,
30 cream	19 food	1 knife		1 taste
5 creamery	6 fresh		1 pail	
1 cubes		1 lard	1 pound	1 where
		1 like		
		82. DOCTO	R	117 yellow
1 auto	1 cough		132 man	1 estabel
1 auto	1 cough 24 cure	15 health 10 help	136 medicine	1 satchel 1 scar
7 baby	24 cure	1 helper	2 men	448 sick
1 bad	2 dentist	1 helpman	2 mother	34 sickness
1 bed	1 did	5 helps	2 mount	3 sore
9 bill		3 home	1 needed	0 0010
1 bottle	2 examine		1 nice	1 tag day
1 brother		4 ill	13 nurse	1 teeth
	1 family	4 illness		1 tools
1 call	1 father		1 office	1 treat
6 care	1 find	1 Johnson		1 treatment
3 case			6 physician	4 trouble
1 cauterizer	40 good	1 lawyer	1 pills	
1 child	- 1 1	1 lay		1 visit
1 colds	7 heal	1 learn	1 queer	1
6 come	1 healer 1 heals	1 major	1 rain	1 was 30 well
2 coming	1 nears	1 major 1 mamma	3 rich	30 Well
		T ALLOS ARABAMAS	Jilli	
		83. LOUD		
1 able	3 dog	1 I	1 rags	1 spelling
	1 door	1 it	1 read	1 steps
1 baby	1 drum		1 reading	1 still
1 bad		3 laugh	1 recite	1 stormy
2 bang	1 ears	1 laughed 1 like	1 record	1 swallow
2 bark 1 bear	7 echo 1 echoes	7 long	6 ring 1 roud	1 swear 1 sweet
3 bell	1 every	1 louder	1 rough	1 sweet
1 blast	1 every	5 loudly	1 Tough	130 talk
1 boy	8 far	8 low	15 scream	11 talking
1 boys	1 fast	0 1011	1 sharp	1 teacher
1 bugle		1 man	1 shot	1 there
_	1 going	1 men	21 shout	1 tone
28 call	1 gun	1 mouth	1 shouted	5 train
1 called		1 moving	3 shriek	
1 calling	1 hammer	4 music	3 shrill	41 voice
1 cannon	12 hard	701	1 silent	111
1 cause	7 harsh	201 noise	20 sing	1 walk
5 child	28 hear	11 noisy 1 not	1 singing 3 sings	12 whistle 1 word
1 children 1 coarse	1 heard 1 hoarse	1 not	13 soft	1 word
1 coarse 1 color	190 holler	1 peal	1 softly	11 yell
1 cried	3 hollering	1 peals	8 song	1 yelled
29 cry	1 home	4 piano	9 sound	1 you
1 crying	6 horn	1 plain	22 speak	- ,
,	3 howl	1 pound	2 speech	
5 deaf	1 howling	1 proud		
		84. THIE	F	
2 arrested	1 fight	1 lead	4 night	10 stealing
	1 filled	1 leaf	1 noisy	8 steals
19 bad	1 food	2 legs	2 22.03	28 stole
1 be	1 fright	2 har	1 oats	20 stolen
1 beg	1 fun	1 lie		2 store
1 blue		1 light	2 police	2 strong
1 boon	2 girl	2 locket	6 prison	3 suit
1 boot	8 gold	1 long		

	1 booster	1 good		5 ring	9 take
	1 bum	11 gun	1 mail	21 rob	1 theft
6	4 burglar	8	1 mamma	229 robber	1 there
-	T Duigiai	1 hat	30 man	4 robbers	5 tramp
2	3 caught	1 he	1 me	6 robs	o tramp
4	1 chickens	3 hide	6 mean	5 run	1 unkind
	1 cow	9 house		3 run	1 useful
	1 coward	9 house	1 meat	1 silverware	1 userui
	1 coward	1 :-:1	63 money		1
	2 3	1 jail	1 mouse	1 sold	1 wagon
	2 dog	4 3 711	1 murder	1 sore	1 walk
	* 6	4 kill		320 steal	3 watch
	1 feet	1 knife	1 nice	10 stealer	1 white
					1 women
			85. LION		
			os. Lion		
	4 afraid	1 cat	13 forest	1 jumps	1 purr
	1 Africa	1 catch	1 fright	r Jumpo	- Para
20	05 animal	1 cave	1 fur	15 kill	52 roar
21	3 anger	1 claws	1 Iui	2 kills	3 roars
		1 close	5 good	27 king	3 rough
	0.0			27 King	3 rough
	1 awful	4 creature		16 10000	2 skin
	0 1 - 1	1 1	1 growling	16 large	
	2 bad	1 danger	5 growls	3 legs	1 small
	1 bay	1 David	1 gun	1 lift	1 story
	5 bear	1 deer		3 live	1 string
	95 beast	8 den	1 have	1 long	16 strong
1	83 big	1 desert	2 hair		
	1 bind	1 dog	1 he	14 mad	2 tail
1	18 bite		1 head	4 man	1 tame
	1 biter	109 eat	1 horse	8 mane	12 teeth
	1 bit	3 eats	1 huge	1 many	1 terrible
	1 bones	0 0410	1 hunger	7 mean	13 tiger
	1 boy	1 fear	4 hungry	1 monster	
	3 brave	1 feet	4 mang. J	1 mouse	7 wild
	1 bread	119 fierce	1 insect	5 mouth	8 woods
	1 breau	2 fight	1 msect	3 mouth	1 wool
	0 0000	1 fool	16 immela	1 prance	1 wooi
	8 cage	1 1001	16 jungle	1 prance	1 yellow
					1 yellow
			86. JOY		
			86. 301		
	3 army	2 enjoy	25 happiness	3 merry	3 sad
	3 automobile	2 chjoj	260 happy	4 mother	1 sadness
	3 automobile	1 father	3 heart	4 mother	1 school
	2 babas		6 home	1 manahtu	1 show
	3 baby	1 feel		1 naughty	
	1 birth	1 fest	1 honor	1 new	1 skating
	6 boy	4 fine	0 :-1	28 nice	1 song
	1 boys	1 full	2 jokes		1 sorry
	3 bring	182 fun	2 jolly	1 park	1 sprang
		3 funny	1 joyful	5 party	
	1 cake		1 joys	1 passed	1 teeth
	1 cheer	1 game	1 jump	1 piano	1 tickling
	2 child	2 girl		49 play	2 time
	2 children	203 glad	25 laugh	2 playful	1 toy
	45 Christmas	2 gladly	2 laughing	1 playing	1 train
	1 clap	7 gladness	11 laughter	6 pleasure	1 trains
	1 comfortable	1 glee	1 life	1 pretty	
	1 company	2 going	2 like		1 way
	1 crazy	27 good	3 love	1 rejoice	1 worry
		5. 6.00	1 loving	1 rejoicing	
	2 dance	1 ha ha	1 1011116	3 ride	
	1 doing	1 happily	4 man	2 riding	
	1 doing	z nappny	4 111811	2 mans	
			87. BED		
			OI. DED		
	3 asleep	1 father	2 laying	2 post	39 soft
	o moreep	1 fell	1 lazy	1 potatoes	2 spread
	8 bedding	1 fool	1 leg	- potatoes	4 springs
		1 1001		9 011114	1 standing
	1 big	2	1 legs	8 quilt	1 standing
	6 blanket	2 go	10 lie	17	6 supper
	1 bought	1 going	1 like	17 rest	1 sweat
	1 brass	2 good	1 little	5 resting	
	1 broke		1 lying	8 room	1 time
	1 buy	1 hard		1 rough	3 tired
		1 head	1 made		1 to
	14 clothes	1 home	3 make	6 sheet	
	7 comfort		9 mattress	22 sick	10 warm

		10							
	couch	12	iron	2	nice		sleep		well
-	cover	1	keyhole		night		sleeper	-	went
3	covers		Rejuote		nightgown	0	sleeping sleepy		white wooden
2	down	1	lady			6	slept	Y	wooden
	dream	109		25	pillow		small		
				88	B. HEAVY				
1	animal	1	do	213	iron	1	no	12	stove
			dog	-	is				strong
	baby		doll	1	it		pail	1	sunk
	ball	1	drop	1	labor	1	paper	-	
-	barrel	1	engine		labor large	2	papers		thick
	bed big		every	2	lazy	2	potatoes pound		thing
	blocks		cvery		lead	2	pound	-1	things
	boards	1	fall		leaves	1	quilt		tight
-	book	1	fat	36	lift		4		tired
12	box		father	5	lifting	1	rains	2	tiresome
	boy		flour		light		rock	1	too
	bundle	1	full		little	1	rocks		tree
5	burden	2	wold		load		1	3	trunk
*	00074		gold goods		loaded loads	1	sack		
	can't carry		guilt		loan	i	salt sister	0	very
	case		Sume	î	log	î		7	wagon
	chain	5	hammer	1	look	î	58	1	water
-	chair		hard		lot	1			weak
1	cloth	3	head	4	lumber	1	steel		weigh
6	coal	1		1	lunch	1	steep	39	weight
1	cover		heft				stick		were
4	deale	-	house	4	man		stone		wood
1	desk	1	hurt			1	stones		work
				90	TOPACO	0		¥	world
				89.	TOBACC	,U			
	America	1	don't	3	like	1	Prince Albert		
2	awful			20					so
**	11	1	eat		man	_	raise		spit
	bad	13	father	10	men		red	1	
-	bag bitter	13	rather	2	nasty		rug		store
	blacksmith	1	good		naughty		ruins life		strong sweet
	box		grew		mangney		i dillo lite		SWEEL
	brown			2	opium	1	sick	1	use
			habit				slow		
	can	-	hard		pipe		smith	1	Virginia
Ann	chew		harm	2	pipes		smoke		
7		1	honor		plant		smoked	1	weeds
2	cigar cigarettes	1	Leader		plantation	2	smokers		
-	cigarettes	2	leaf		pledge pouch		smokes smoking		
1	climax		leaves	3	poison	20	Smoking		
					-				
				9	90. BABY				
1	alive	2	crib	9	girl	55	milk	1	school
3	asleep		cried		go		mother		sick
		15	cries	6	good				sister
	bad	119	cry	3	growing		name	20	sleep
	bakery		crying				new		small
	baptism bare	14	cute		hands		nice		smiled
	bath	2	darling		happy		nickel	10	
	bed	4	dear		have hear		night		stork sweet
î			die		heel		nipple nose	TI	Sweet
1			doctor	î			nurse	14	tiny
1	blanket		doll				nursy		toes
	born	1	dream	20	infant				toys
	bottle		dress	1	it	1	out		tub
31	boy		drinks						
1	brother	1	drive	2	joy	1	people		we
2	buggy				line		person		well
4	care		ears		kiss kitten	0	play	1	woman
4	carriage		eat	- 1	Aitten	5	playing pretty	1	young
	-			3	lady	0	Promy		Joung

172 child 17 cradle 3 crawl 2 crawling 3 creeps	9 eyes 3 face 1 fat 1 flesh	1 legs 97 little 4 love 1 Mabel	3 rattle 1 rock 1 running	1 youngling 1 youngster
		91. MOON		
1 above 1 at 1 away 1 baby 4 ball 29 big 115 bright 3 clear 2 cloud 8 cold 1 color 3 cow	1 eyes 13 face 1 far 20 full 1 ghost 3 gold 1 gone 1 good 8 heaven 6 high 1 hood 2 house	1 led 155 light 1 little 1 loom 4 look 1 looks 6 man 1 moonlight 3 moves 7 nice 128 night 2 noon	1 red 5 rise 2 rising 101 round 1 see 1 setting 107 shine 26 shines 19 shining 1 shiny 1 show 2 silver 2 silvery 2 skies	1 small 1 soon 1 spoon 9 star 10 stars 1 still 6 summer 14 sun 1 sunlight 1 sunshiny 1 waxen 8 white 1 world
10 dark		1 person	103 sky	8 yellow
1 earth 3 evening	4 lake 2 large 1 leave	3 pretty 1 quickly	2 slow	
		92. SCISSOR	S	
1 article 1 bird 1 brass	32 cloth 1 clothes 1 coat 802 cut	2 finger 1 glasses	1 lizer 1 long 10 paper	11 sewing 35 sharp 8 shears 1 silk
1 broke 1 broken	3 cuts 1 cutter 48 cutting	1 have 1 knife	2 papers 1 safety	1 silver 5 small 4 steel
1 cast 1 clip	1 dull	1 large	1 screw 15 sew	1 waist 1 work
		93. QUIET		
1 alone 4 asleep 1 awful 14 baby 1 be 1 bed 13 boy 1 calm 1 cat 5 child 7 children 1 clean 1 cold 1 comfortable 1 country 1 cozy 1 creak 1 day 1 dark 1 dead 1 deserted	1 empty 1 feet 1 fight 11 girl 1 glass 20 good 3 hall 1 happy 1 hear 6 here 4 home 62 house 1 I 1 Indians 1 joy 1 keep 4 light	1 lightly 1 likes 13 listen 2 lonely 1 lonesome 11 loud 4 low 1 man 1 me 22 mice 1 mine 37 mouse 1 music 1 nap 1 napped 6 nice 55 night 70 noise 6 noiseless 18 noisy 1 now	3 old 1 peace 3 peaceful 1 person 3 quiet 4 reading 4 rest 3 resting 1 robber 1 rock 43 room 4 school 3 sick 5 silence 4 silent 1 sit 72 sleep 7 sleeping 22 sleepy 1 slept	3 slumber 1 small 1 smoke 46 soft 1 softly 1 solemn 14 sound 1 stepping 300 still 1 study 3 talk 1 thought 4 very 1 wake 1 whiskey 1 woman 1 you
		94. GREEN		
23 apple 7 apples 5 beautiful 1 beauty 1 bed 1 beet	1 cotton 2 country 12 dark 1 draw 100 dress 1 dummy	15 hat 9 horn 9 house 1 ignorant 1 indolent 21 Irish	1 meadow 3 meadows 4 nice 1 night 1 nothing	1 silky 4 skirt 1 slippers 1 small 1 sorrow 1 spire 1 spires
1 big	1 dye	1 it	19 paint	1 steam

	blanket					9	paper	9	stem
13	blue	1	fine	1	kind	1	park	1	style
1	boat	1	flag			6	pencil	1	sweet
3	book	7	flower	1	lace	1	pink		
1	boy	1	flowers	1	lavender	8	plant	1	thing
7	bright	1	fresh	1	lawn	1	plume	1	
	D. 18-1	1	fruit	1	leaf	23	pretty		
1	cabbage	-	******	1	leafy		B	29	waist
1	checkered	1	glass	2	lean	1	railroad	1	walls
Â	Christmas	1	good	13	leaves	4	red	3	white
12	cloth	3	goods	13	light		ribbon	1	wood
5	coat	272	grass		like		110000	1	woods
237	color	1	gray	2	IIIC	1	sad		Woods
431		1	greenhouse	1	man	15	silk	6	yellow
1	corn	1	greennouse		IIIeEII	13	SHE	1	
								1	young

95. SALT

				9	o. SALI				
4	bad	1	doughnuts	1	kitchen	29	pepper	- 1	soft
1	bake	1	dress			3	petre	4	soup
1	beet	1	drink	1	lalt	2	pickle	79	sour
110	bitter			2	lake	3	pinch	1	stale
2	box	93	eat	3	like	2	pork	4	sting
8	bread	6	eating	1	loft	5	potato	3	store
1	bricks	1	egg	1	look	49	potatoes	13	strong
4	burn	1	eggs	1	love	1	pure	1	stuff
4	butter					î	put	23	sugar
		1	fall	1	malt	•	pae	6	sweet
1	carrot	1	feathers	99	meat	1	rabbit	1	Syracus
1	cattle	1	fine	1	me	1	roast	_	~,
3	cellar	6	fish	1	men	î	rock	1.4	Ashl-
1	China	4	flavor	3	mine	î	rotten		table
î	class	5	food	3	mineral		1000011	21	taste
6		1	found	1	mountains	1	sacks	1	tasty
1	cooking			1	much	10	salty	10	thirsty
4	cow	1	goat	-		25	sea	3	tomato
1	cried	30		2		1	shake	1	too
1	crystal	1	goods	3	nice	7	shaker		
	01,0001	1	grain			1	sharp	1	useful
		-	8	64	ocean	1	sheep		
4	Jan des	4	1-14	1	onion	1		1	we
1	dandy	1	halt	-	OHIO.	1	small	60	water
1	deep	1	horrid	4		1	smart	97	white
		1	horse	1	pain	1	soap	31	white

96. STREET

				96	. STREET				
1	Adams	1	children	5	ground	1	meat	60	road
2	alley	8	city			2	meet	1	rock
11	auto	90	clean	1	Hennepin		mud	3	run .
1	autos	12	cleaner	1	home	15	muddy	1	running
2	automobile	1	cleaning	42	horse				
1	automobiles	1	complete	54	horses	3	narrow	7	sand
34	avenue	1	corners	4	house	1	newsboy	2	sewer
		4	country	1	houses	1	nice	23	sidewalk
1	beat	4	crossing			1	noise	2	slippery
1	big	15	curb	1	is	1	noisy	2	stone
1	black					1	number	2	stores
1	bled	34	dirt	1	Jefferson			1	straight
2	block	85	dirty		*	1	on	1	streetcar
1	blocks	1	driving	41	lamp	1	open		
1	blood	1	dry	7	lamppost	1	order	1	teams
3	boys	7	dust	1	land	1	outdoors	5	town
4	brick	7	dusty	3	large			1	track
4	bricks		•	1	lawn	1	pass		
1	broad	1	earth	1	light	1	part	49	wagon
1	Broadway	1	ever	3	lights	15	paved	3	wagons
1	bumpy			1	listen	15	pavement	88	walk
3	busy	1	far	7	live	3	paving	1	walker
	•	1	feet	13	long	7	people	1	walking
79	car	1	funny			1	place	5	walks
1	cars			4	man	1	play	1	water
2	cement	1	go	1	marbles	1	public	1	way
2	central	1	good	1	Marshall			2	wet
						5	ride	8	wide

97. KING

	America	-	cruel	-	horse		nice		ruled
1	animal	4	Czar	1	hurt	2	noble	170	ruler
1	army				***	1	Norway	4	rules
		1	dress	1	ill			2	Russia
3	bad			1	Ireland	1	obey	1	Russian
1	beast	17	emperor	1	island	1	old		
1	beautiful	13	England			1	own	1	seat
3	beer	1	English	1	judge	1	owner	1	servants
2	Belgium	1	Europe					4	sit
1	big	*		1	Kaiser	26	palace	1	small
2	boss	4	fox	1		2	person	3	soldier
1	bow			18	kingdom	1	Peter	5	soldiers
1	brave	1	gentleman	1	knights	1	pillory	5	sovereign
1	bring	1	George	121	to be while the	1	place	1	staff
1	brother	1	George V	1		1	Poland	2	state
-	Di Ottion	4		2	lame	1	poor	14	stick
1	candy	5	Germany	29	land	10	president	1	Sultan
5	castle	1	God	1	ling	4	pretty	1	Sweden
3	chief	2	gold	1	lion	1	prince	ī	sword
1	Christ	25	good		*****	1	princess		
2	citizen	2	governor	1	majesty	1	principal	29	throne
3	city	ĩ	grand	66	man	î	proud		trouble
1	clothes	-	Brand	1	manager	-	proma		
1	cold	1	habit	i	master	50	queen	1	very
ī	come	3	happy	î	mayor		dacon		
î	commander	1	Harold	î	mean	2	reign	5	walk
83		1	have	1	men		rich	2	war
3		4		1		1	robe	1	where
1	crime	1	hearts	1	my	1	robes	1	wine
124		1			my	1	royal	1	wise
A	crowned	1	high hook		nail	107		1	wood
-4	Dallmore	1	HOOK		Henri	107	Luic	3	200

98. CHEESE

1	bed-bugs	1	dinner	1	holes	59	mice	1	sneeze
1	bees			1	hungry	32	milk	2	soft
2	bitter	251	eat			128	mouse	1	sour
1	bought	4	eating	1	I			3	stink
78	bread	1	eats	1	Italian	2	nice	5	store
		1	Edam					1	strong
49	butter	1	egg	1	knees	1	old	1	supper
			-60	1	knife			1	sweet
6	cat	17	food			1	pound	9	Swiss
1	churn			4	like			1	Switzerland
8	cottage	1	goat	7	Limburger	57	rat		
3	cow	1	goats		lunch	32	rats	1	taste
3	cows	1	gone						
1	cracker	57	good	. 1	man	1	sandwich	6	white
33	cream	1	grocer	1	meat	13			
		1	21 311	ON THE	了一一 全国国	EM:	Claure 195	76	yellow

99. BLOSSOM

87	apple	1	cherry	1	hive	1	open	1	round
7	apples	1	clover	1	house	1	out		
1	autumn	1	color					1	shiny
		1	cook	1	June	2	pansy	12	smell
1	bears	1	crocus		2	1	peach	11	spring
î	beauty	•	Ciocas	1	leaf	1	peaches	1	stem
2	big	1	earth	1	leaves	1	peas	14	summer
	bird			1	like	1	pick	4	sweet
48	bloom	486	flower	4	lily	4	pink		
2	blooming	93	flowers	1	love	20	plum	9	tree
1	blooms	1	fruit			37	pretty	1	tulip
1	blue			1	May		purple		•
45		8	garden					1	violet
	buds	1	good	1	nice	2	red		
_		6		1	now	26	rose	30	white
1	California	13	AL TOTAL YES			-	roses	1	winter

100. AFRAID -

1	alley	1	cow	4	go	1	monkey	1	ship
1	alone	19	coward	2	gun	2	mouse	2	sleep
1	am	1	cry	1	gypsies			1	snake
3	animals	1	crying			1	nervous	1	strong
1	auto			1	her	59	night		
-		151	dark	1	him	1	no	1	tabby
18	baby	73	dog	2	home	4	noise	1	that
1	bad	1	donkey	3	house			8	thief
i	bashful	1	don't	1	humor	1	people	4	tiger
3	bear					1	pond	7	timid
2	beast	14	fear	1	jackal	-	Pond	,	*******
10	boy	1	fire		3	1	rabbit	1	very
1	brand	1	foolish	22	lion	1	rat	-	
4	brave	6	fright	1	lonesome	26	robber	3	walk
1	bright	5	frighten	1	long	2		1	weary
î	bug	34		-		_	run	4	wolf
33	burglar		funny	1	maid	~~	1 1444	1	women
27	burglars	~		ĝ	man	41	scare	1	word
41	Durgiara	15	ghost	5	me	9	scarecrow		WOLG
2	cat	1	ghosts	1	mean	290	scared	1	****
3	children	9		î	melt	230		1	yes
1		1	glad	2		1	scaring	1	you
	COD	A	Kint	- 4	men		scream		

CHAPTER V

PREFERRED RESPONSES FOR DIFFERENT AGES

The preceding frequency tables, include, as already explained, responses of children varying in age from 9 to 12. It seems desirable, therefore, to give some indication of the degree of agreement between the children of different ages. This is fairly well done by the table below, which gives separately for each age the three most frquent responses to each of the stimulus words. Since the 4 age-groups are not equal in numbers, the numerical frequencies of responses given by different groups could not be directly compared. We have, therefore, simply given the three most frequent responses in the order of their frequency, omitting the coefficients.

It will be seen that there is remarkably close agreement between children of the different ages. This is particularly striking when the present table is compared with a similar one for children as compared with adults, given in the following chapter. This agreement for the 4 different ages here in question is so close as to suggest that it would not be worth while to compile frequency tables for each age. Unless very large numbers of cases were used, something like ten thousand for each age, differences obtained with the different ages would scarcely be reliable. We believe, therefore, that we are justified in taking together, as one group, children of the 4 ages we have used, and regarding the results as representative of children in general between the ages 9 to 12 inclusive.

It may be pointed out, further, that the preceding tables may be much more correctly regarded as proper standards of association in children than can the Kent-Rosanoff tables as proper standards for adults, for the latter include responses from persons of from eight to over eighty years of age, though mainly of the adult ages. Kent and Rosanoff do not give the age distribu-

¹ See Chapter III, Composition of Groups.

tion of their subjects, but they mention a group of 78 children under 16 years of age. On the whole, however, it is probably permissible to speak of their table as an adult table, as does Rosanoff himself.

	PREFI	ERRED RESPON	ISES BY AGES	
Stimulus 1. Table	9 yrs. eat legs dishes	10 yrs. eat dishes legs	11 yrs. eat dishes dish	12 yrs. eat dishes legs
2. Dark	night	night	night	night
	black	black	see	see
	see	afraid	room	afraid
3. Music	piano	sing	piano	piano
	sing	piano	sing	sing
	play	sweet	play	sweet
4. Sickness	ill	doctor	bed	ill
	bed	bed	fever	doctor
	doctor	ill	doctor	bed
5. Man	work	hat	work	work
	hat	work	hat	hat
	rich	clothes	person	clothes
6. Deep	hole	hole	hole	hole
	water	water	well	water
	well	well	water	down
7. Soft	pillow	pillow	pillow	pillow
	nice	bed	cotton	bed
	cotton	cushion	bed	cotton
8. Eating	bread	bread	bread	bread
	table	table	table	food
	ice-cream	food	hungry	eat
6. Mountain	high	high	high	high
	hill	hill	hill	hill
	peak	snow	steep	snow
10. House	live	live	live	live
	room	warm	big	wood
	chair	room	warm	warm
11. Black	dark	dark	dark	dark
	dress	color	color	dirty
	color	dress	dress	color
14. Hand	clock	work	fingers	fingers
	fingers	fingers	work	finger
	work	clock	clock	work
15. Short	small	small	small	small
	little	little	little	little
	pencil	dress	walk	pencil
16. Fruit	apple	eat	apple	apples
	apples	orange	eat	eat
	eat	apple	good	banana
17. Butterfly	fly	fly	fly	fly
	pretty	wings	wings	wings
	bird	pretty	pretty	butter
18. Smooth	soft	soft	soft	soft
	flat	even	even	even
	ice	level	nice	rough
20. Chair	sit	sit	sit	sit
	seat	seat	seat	set
	legs	wood	set	rocking

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21. Sweet	good	good	good	good
	candy	candy	sugar	sugar
	sugar	sugar	oranges	candy
22. Whistle	noise	blow	noise	blow
	blow	boy	blow	noise
	boy	noise	loud	loud
23. Woman	lady	lady	lady	lady
	dress	dress	dress	dress
	women	mother	mother	children
24. Cold	winter	ice	snow	winter
	freeze	winter	chilly	ice
	burn	snow	freeze	weather
25. Slow	walk	walk	lazy	fast
	lazy	lazy	walk	walk
	fast	clock	clock	lazy
26. Wish	bone	want	want	want
	want	fairy	bone	fairy
	doll	candy	dog	true
27. River	water	water	water	water
	lake	swim	swim	swim
	stream	lake	fish	fish
28. White	dress	dress	color	paper
	color	color	clean	light
	light	light	snow	color
29. Beautiful	pretty	pretty	pretty	pretty
	nice	nice	nice	nice
	dress	lady	lady	girl
30. Window	glass	glass	glass	glass
	pane	look	look	pane
	look	light	pane	look
31. Rough	hard	hard	hard	boy
	mean	bumpy	boy	mean
	bad	mean	board	smooth
33. Foot	walk	walk	walk	walks
	feet	toes	leg	walk
	leg	leg	toes	leg
34. Spider	web	web	web	legs
	legs	legs	legs	web
	bug	bug	bug	bug
35. Needle	sew sewing thread	sew thread sewing	sew stick sewing	pin sharp
36. Red	color	color	color	color
	bright	bright	dress	cloth
	dress	dress	bright	bright
37. Sleep	bed	bed	bed	bed
	night	night	night	night
	tired	eyes	tired	dream
38. Anger	mad	mad	mad	mad
	fight	mean	fight	fight
	cross	cross	cross	scold
39. Carpet	rug	rug	rug	rug
	floor	floor	floor	floor
	sweep	dirty	walk	house
40. Girl	dress	dress	dress	dress
	boy	nice	child	child
	hair	doll	big	boy
41. High	mountain	mountain	hill	mountain
	air	tall	up	up
	far	hill	mountain	hill

42.	Working	hard busy man	hard man men	hard man men	hard man busy
43.	Sour	milk cream sweet	pickles milk vinegar	milk bitter lemon	sweet eat bitter
44.	Earth	ground round black	ground dirt round	ground dirt black	ground round dirt
46.	Soldier	war fight fighting	war fight man	war fight army	man fight war
47.	Cabbage	eat vegetable garden	vegetable eat garden	vegetable eat leaves	eat vegetable leaves
48.	Hard	stone work rock	stone rock floor	stone work soft	work floor rock
49.	Eagle	bird fly big	bird fly wings	bird fly mountain	bird fly wings
50.	Stomach	ache eat food	ache body eat	ache sick eat	eat ache sick
51.	Stem	flower cut green	flower long flowers	flower flowers long	flowers flowers long
52.	Lamp	light burn glass	light burn glass	light glass burn	light glass burn
53.	Dream	sleep night bed	sleep night bed	sleep night bed	sleep night bed
54.	Yellow	color dress flower	color dress flower	color dress flower	color dress light
55.	Bread	eat dough butter	eat flour good	eat good flour	eat flour dough
57.	Boy	play ball bad	play man pants	pants cap child	play man girl
58.	Light	lamp dark bright	lamp dark gas	lamp day bright	dark day lamp
60.	Bible	book church holy	book God read	book read church	God book read
62.	. Sheep	wool animal lamb	wool animal white	wool animal lamb	wool animal white
63.	. Bath	water clean tub	water wash clean	water wash clean	water clean wash
64	. Cottage	house lake live	house home lake	house home lake	house home lake
65	. Swift	fast run horse	fast run horse	fast run horse	fast horse run

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80. Square block					
food bread food starve starve food food starve food food starve food food starve starve starve food food starve food food starve food food starve food food food starve food food food food food food food foo	66. Blue	dress	dress	dress	dress
minister Catholic Catholic minister min	67. Hungry	bread	bread	bread	bread
river river sea ships 70. Head hair brains brains eyes round eyes brains eyes 71. Stove fire hot fire heat warm warm warm bot fire heat warm warm warm bot 72. Long grass far grass far far far far far far far drunk	68. Priest	minister	minister	minister	minister
brains eyes round brains eyes brains eyes round eyes brains 71. Stove fire hot fire fire heat warm warm warm warm warm warm hot 72. Long grass big grass far	69. Ocean	waves	sea	waves	sea
hot warm warm fire warm hot warm warm warm hot warm warm warm hot hot hot hot far far grass far far grass dress grass gr	70. Head	brains	brains	brains	eyes
big stick big dress grass big dress grass big dress grass big dress grass far grass big dress grass far grass big dress grass far grass far grass far grass drink drunk beer baby baby good girl baby good girl boy giril children boy children pound nail nail nails pound dry dry dry dry dry dry dry dry dry dr	71. Stove	hot	fire	fire	heat
beer drunk liquor beer beer beer drunk liquor beer beer drunk liquor beer beer beer drunk beer beer beer beer drunk liquor beer beer beer beer beer beer beer be	72. Long	big	grass	far	far
good girl boy giril children boy children 77. Hammer pound nail nails na	74. Whiskey	beer	drunk	drunk	drunk
nail nails n	75. Child	good	baby girl	children	baby boy children
drink dry dry dry dry dry dry dry 79. City Minneapolis country town big big town big 80. Square block box oblong oblong corner 81. Butter bread yellow yellow yellow eat eat yellow eat eat yellow man medicine 82. Doctor sick man medicine man medicine man medicine 83. Loud holler talk holler talk noise talk noise talk noise talk noise talk 84. Thief steal steal robber robber money burglar 85. Lion animal beast eat fierce fierce eat 86. Joy happy fun glad glad fun glad 87. Bed sleep sleep sleep sleep sleep sleep sleep night	77. Hammer	nail	nail	nail	nails
80. Square block	78. Thirsty	drink	water	drink	drink
box oblong corner straight oblong corner 81. Butter bread yellow yellow yellow eat eat yellow 82. Doctor sick man medicine man medicine man medicine man medicine man medicine man medicine talk holler talk noise talk holler talk noise talk holler tobber robber money burglar 84. Thief steal robber robber robber money burglar 85. Lion animal beast beast eat fierce eat fierce fierce fierce fierce fierce sleep lay lay night night	79. City	country	big	big	
Secondary Sick Si	80. Square	box	box	oblong	oblong
man medicine man medicine man medicine 83. Loud holler noise noise holler talk noise talk noise 84. Thief steal steal steal robber robber money burglar money burglar 85. Lion animal animal animal beast beast eat fierce eat fierce fierce fierce fierce fierce 86. Joy happy fun glad fun fun glad 87. Bed sleep lay happ sleep sleep night	81. Butter	yellow	yellow	yellow	eat
talk noise talk holler talk noise 84. Thief steal steal steal robber robber robber robber money burglar money burglar 85. Lion animal animal animal beast beast eat fierce eat fierce fierce fierce eat 86. Joy happy happy happy happy fun glad fun glad 87. Bed sleep lay sleep sleep night	82. Doctor	man	medicine	man	medicine
robber money burglar robber money burglar 85. Lion animal animal animal animal beast beast eat fierce eat 86. Joy happy happy happy fun glad glad fun glad 87. Bed sleep lay night night	83. Loud	talk	holler	talk	noise
beast beast fierce fierce eat 86. Joy happy happy happy happy fun glad fun fun glad 87. Bed sleep sleep sleep happy happy happy happy happy happy happy fun glad fun fun glad	84. Thief	robber	robber	robber	robber
fun glad glad fun glad 87. Bed sleep sleep sleep lay lay night	85. Lion	beast	beast	eat	fierce
87. Bed sleep sleep sleep lay night night	86. Joy	fun	glad	glad	fun
ingue ingue ing	87. Bed				

88.	Heavy	iron hard load	hard iron load	hard iron load	light hard iron
89.	Tobacco	smoke chew pipe	smoke chew pipe	smoke chew pipe	smoke chew pipe
90.	Baby	child little cry	child cry small	child ery little	cry child little
91.	Moon	night round bright	light bright night	light shine round	light night bright
92.	Scissors	cut cutting sharp	cut cutting sharp	cut cutting sharp	cut cutting cloth
93.	Quiet	still sleep soft	still noise sleep	still sleep house	still house noise
94.	Green	grass color dress	color grass dress	grass color dress	color grass dress
95.	Salt	bitter white meat	bitter white meat	eat meat bitter	meat bitter eat
96.	Street	dirty clean horse	walk dirty car	walk dirty road	walk car dirty
97.	King	crown ruler good	crown ruler rule	ruler crown country	ruler rule country
98.	Cheese	eat mouse rat	eat mouse bread	eat mouse butter	eat mouse yellow
99.	Blossom	flowers apple	flower flowers apple	flower flowers apple	flower flowers white
100	. Afraid	scared dark night	scared dark dog	scared dark dog	scared dark night

CHAPTER VI

COMPARISON OF ASSOCIATION TYPES OF CHILDREN AND ADULTS

Nearly every writer on the psychology of association has emphasized the difficulties of any classification of associations according to their form, or type. With respect to these difficulties, we agree absolutely with previous workers. We do not wish to minimize the uncertainty and arbitrariness of any classification of associations, particularly when unaided by introspection; nor do we claim any value, except for our present purpose, for the system of headings which we ourselves have used. As regards the aid to be obtained from introspection, it may be questioned if children's introspection would be of sufficient reliability for use in the classification of associations according to their type. At any rate, introspections were not available, either for children or adults.

Notwithstanding the difficulties, we believe that the careful classification of associations that we have made for both children and adults is of great value. In spite of the large numbers of possible errors, the comparison of these classifications brings out in unquestionable manner a number of extremely striking and important differences in the mental processes of children and adults.

In this connection, we should like to quote, approvingly, Kent and Rosanoff: "It must, indeed, be conceded that objective methods can reveal but indirectly and with uncertainty the inner mechanism which produces any association and that in any given instance it would be impossible to establish the correctness of grouping in accordance with such methods. However, to decide that question for any given reaction is really not necessary in practice, since an error made through wrongly placing one, two, or three reactions under any heading is of no significance; the types acquire importance when represented by large numbers . . . and when many reactions fall under a single heading the likelihood of error, as affecting the record as a whole, is by that fact alone greatly reduced.

"The whole question might more profitably be approached from another point of view. To what extent are the distinctions of this classification useful? An answer to this question can be found only in the results." It should be explained that the above statements of Kent and Rosanoff were made concerning their system of classification and not the one we have used, but they express our attitude towards our own attempts at classification.

As regards the value of classifications as significant forms of description, we agree with Wells, who writes as follows: "In the valuable study of Kent and Rosanoff, considerable distrust is expressed of the quasi-logical categories, because of their vagueness and subjectivity. A somewhat similar opinion has been expressed by the present writer. At the same time, it could obviously not be supposed that the further development of the association test would render it possible to dispense altogether with this principle of classification. It is as impracticable to make frequency tables for all association words as it is desirable to state their results in a more significantly descriptive form than they permit."

In our selection of classificatory categories, we have endeavored merely to get headings which would serve to descrie the chief similarities and dissimilarities between the associations of children and adults. We have distinguished the following types:

ute

1 Op. cit., pp. 27-28.

² A Preliminary Note on the Categories of Association Reactions,' Psych. Rev. Vol. XVIII, 1911, p. 229.

The meaning of most of these headings is sufficiently clear, particularly as they are fully illustrated further on. Some of them, however, require a few words of explanation. The class of associations headed contiguity, includes associations by both temporal and spatial contiguity. Associations by temporal contiguity were so rare that it did not seem worth while to make a separate class of them. This class includes also any response which might be designated a spatial or temporal localization. We have also placed in this class, instead of under whole-part, any association between a person and an article of clothing.

The distinction between the classes verbs and participles is an important one, as the participles, particularly the present ones, which almost exclusively compose this class, usually have a more abstract implication than the verbs.

Under the heading, word-compounding, we have included not only cases of actual compounding but all pairs of words so closely connected as practically to form a compound word, such as high, —up and deep,—down. Under this same heading, we have placed all cases of syntactical change, except those which are classified under the heading of sound-similarity. Thus the association long,—length is classified under word-compounding and high,—height under sound similarity. This inclusion of certain cases of syntactical change under the heading of word-compounding makes the heading somewhat misleading. Perhaps 'superficial verbal' would be a better heading, in which case, association by sound similarity would be a sub-class.

The miscellaneous group includes three cases: first, associations which seemed to belong fairly well in more than one of our groups; second, associations of a sort so rare that it was not deemed worth while to make a separate classification of them; and third, associations which were extremely difficult to classify at all, at any rate, under any very general heading.

The responses classed as non-specific, no matter with what stimulus words they occurred, were the following:

article(s)
bad
beautiful
beauty
big
fine
good
happy
happiness
large
man

nice
object
people
person
pleasant
pleasantness
pleasing
pleasure
pretty
small
thinking

thought(s)
unnecessary
unpleasant
use(s)
used
useful(ness)
useless(ness)
using
woman
work

Using the data on the ninety words which both our tables and the Kent-Rosanoff tables have in common, we have classified, with the greatest care every response in both the children's tables and the Kent-Rosanoff tables with a frequency of ten or over. For three of our classes of associations, we have classified every case, even those of a frequency of only one. These classes are the associations by similarity in sound, responses consisting of pronouns and the non-specific responses. With these classes, especially the first two of them, such a large proportion of the responses have a frequency less than ten that representative results could hardly be secured without using all cases. No response has been classified under more than one heading, with the exception of the non-specific responses. All the non-specific responses, however, are classified twice,—once under the heading of non-specific and once under some other heading.

In our tabulated summary of the various association types, we have used all the associations that we have classified. In the table, we give for each type of association, for children and adults separately, the following: first, the number of response words of the type in question (No.); 2d, their average frequency (Av. F.); third, the sum of their frequencies (Total); and fourth, the percentage of all the responses composed by the responses of the type in question, that is the percentage that the total frequency is of 90,000 (%).

	-	-	_					
Su	MMA	RY OF	DATA	ON ASSOCI	ATION T	YPES		
			Adult	S		Children	n	
Class	No.	Av.F.	Total	%	No.	Av.F.	Total	%
Superordination	97	70	6,832	7.6	61	54	3,304	3.7
Subordination	45	33	1,478	1.6	43	44	1,912	2.1
Coordination	253	39	9,781	10.9	207	26	5,442	6.0
Contrast	66	144	9,500	10.6	50	24	1,201	1.3
Similarity	147	54	7,978	8.9	115	67	7,729	8.6
Part-Whole	19	52	997	1.1	15	22	337	0.4
Whole-Part	63	30	1,903	2.1	63	52	3,248	3.6
Cause-Effect	41	54	2,213	2.5	30	58	1,741	1.9
Effect-Cause	13	26	338	0.4	11	43	471	0.5
Material	20	44	878	1.0	19	43	812	0.9
Contiguity	172	31	5,372	6.0	210	66	13,763	15.3
Verbs	175	33	5,776	6.4	192	48	9,163	10.2
Participles	63	28	1,738	1.9	53	15	803	0.9
AdjNoun	273	_ 23	6,204	6.9	291	35	10,077	11.2
Noun-Adj	221	. 17	3,851	4.3	230	31	7,037	7.8
Noun-Abst. Att	12	21	248	0.25	6	7	44	0.05
Verb-Object	28	27	764	0.9	33	45	1,488	1.7
Pronouns	30	2	51	0.05	104	2	202	0.22
Sound Similarity	29	2	61	0.07	133	3	384	0.43
Word-Compounding	25	28	697	0.77	27	35	942	1.04
Non-Specific	603	9	5,614	6.2	563	12	6,904	7.7
Miscellaneous	81	53	4,251	4.7	73	68	4.998	5.5

The data presented in the table admit of a number of conclusions, which, so long as they are stated in a non-mathematical manner, may be regarded as established beyond a doubt. These conclusions are the following:

(1) The following types occur more frequently in children than adults: verbs, verb-object, noun-adjective, adjective-noun, pronouns, sound similarity, contiguity, whole-part and, less definitely, subordination and word-compounding.

(2) The following types occur more frequently in adults than in children: contrast, superordination, coordination, part-whole, noun-abstract attribute, participles and, less definitely, cause and effect.

(3) The following types are about equally frequent in both pronouns, sound similarity, contiguity, whole-part and, less defreactions belonging to the miscellaneous group, and effect-cause. The results with respect to associations from effect to cause, however, we regard an unreliable for not only is the number of such cases small, but are nat very clear-cut cases.

The preceding conclusions are based upon the results obtained with a particular list of stimulus words. To what extent this fact limits their general validity, it is hard to say. Differences between groups would, however, be much less dependent upon the list of stimulus words than would the relative frequency of the various types of association for a single group. For example, it presumably matters but little whether our list contains ten or thirty stimulus words with easy opposites. So long as we give the same words to both children and adults, we are justified in comparing them with respect to their tendency to give opposites.

We should like very much to print our classifications in full, but this would require too much space. We have decided, therefore, to limit our printed classifications to responses possessing a frequency of fifty or over in one or the other of the tables. These are sufficient in number to show how we have interpreted our various classificatory categories, and they illustrate fairly well the differences or similarities, as the case may be, existing between children and adults with respect to the various types.

In comparing the frequencies of response of adults and child-

ren in any one case, a number of complicating conditions should be kept in mind.

In the first place, the frequency of any single response of a given type may be lowered because of the high frequency of a response of a different type. For example, let us suppose that adults have a stronger tendency than children towards association by superordination, and at the same time a stronger tendency towards association by contrast. Now if the stimulus word is one which has an easy opposite, a very large portion of the adults' responses may consist of this opposite. Consequently, there will be fewer adult responses left to be divided among the other reaction words; and the frequency of a given superordinating response may be less with the adults than with the children, in spite of a greater tendency towards superordination on the part of the adults, simply because a greater portion of the adult responses have been used up in the contrasting response.

Again, the difference in vocabulary between adults and children has to be carefully considered. Without at present raising the general question of the explanation of the differences in association type between adults and children, it is evident that many responses (such as the response abode, to house) can not be expected from children, simply because they have not acquired them. Now it may happen in some cases that most of the fitting responses of a given association type are words which children have not at their command, in which case the frequency of the children's responses of this type would naturally be low, even though in general their tendency towards associations of this type might be high.

On the other hand, the adults may know several response words of a certain type and give all of them, whereas the children might know only one. In this case the frequency attaching to the children's single response might be greater than that attaching to the adults', simply because the children had united on the one word; and yet the general tendency of the adults towards the type of association in question might be much more pronounced than that of children.

Another point that should be considered, one of great impor-

tance, is the definiteness or accuracy with which a response shows the type of association in question. For example, the association, cabbage,—vegetable, is a much more clear cut case of super-ordination than the association, cabbage,—thing. In general it may be said that the non-specific responses,—responses, that is, which occur to many different stimulus words, are less significant than specific responses. A number of the exceptions to the general trend of differences between adults and children occur in connection with these non-specific responses. For example, the adults show a distinctly greater tendency towards superordination than the children, and yet the frequency for children is slightly greater in three of the cases where non-specific responses occur, namely, man,--person, woman,--person, and boy,—person. Similarly, in cases where the classification of an association is doubtful, differences in the frequency of that association between adults and children must be of more doubtful significance, as regards preferred types of association, than where the classification is unquestionably correct.

Lastly, one should keep in mind the unreliability of any particular frequency. Whenever the differences between the frequencies for adults and for children is small, it is not certain but that the group showing the highest frequency would not, with a larger number of subjects, show the lower frequency.

We append the classifications of responses of a frequency of fifty or over.

CLASSIFICATIONS OF ASSOCIATIONS

		I. SUPERORDINA	ATION	
St	imulus	Response	Adults	Children
1.	Table	furniture	75	0
3.	Music	6 ound	95	35
5.	Man	male	99	8
10.	House	building	78	16
		dwelling	68	1
		home	103	39 66 7
17.	Butterfly	insect	261	66
20.	Chair	furniture	83	7
22.	Whistle	noise	173	185
23.		female	134	9
27.		stream	117	30
34.	Spider	bug	58	83
	- Proces	insect	276	30 83 57
39.	Carpet	covering	76	0
40.	Girl	child(ren)	51	57 22 95
		female	77	22
46.	Soldier	man	189	95
47.	Cabbage	vegetable(s)	404	174

Sti	mulus	Response	Adults	Children
	Eagle	bird	568	373
	Stomach	organ	81	0
55.		food child(ren)	191 87	37
57.	Boy	male	63	59
60.	Bible	book	338	224
62.	Sheep	animal(s)	243	119
64.	Cottage	home	85	101
68.	Priest	man	75	69
74.	Whiskey Hammer	liquor	70	97
	Butter	food	69 63	11 19
82.	Doctor	man	68	132
85.	Lion	animal	326	205
		beast	67	95
97.	King	man	43	66
98.	Cheese	food	91	17
		II. SUBORDINA	TION	
3.	Music	piano	180	198
	0:1	song(s)	74	66
4.	Sickness	fever	9	50
16.	Fruit	apple(s) banana(s)	259	305
		orange(s)	19 45	96 99
23.	Woman	mother	30	53
44.		clay	71	0
75.	Child	boy	64	90
		girl	45	93
79.	City	Minneapolis	0	218
00	Blossom	New York	99 .	2
99.	D10550III	apple	50	87
		III. COORDINA	TION	
1.	Table	chair(s)	274	24
5.	Man	boy	44	29
6.	Deep	low	51	35
10.		barn	74	12
14.		foot	204	0
16. 17.		vegetable(s)	103	13
18.		bird(s) nice	74	57 68
20.		soft	79	132
20.	Chair	table	191	29
21.	Sweet	good	26	213
23.		girl	59	17
25.	Slow	easy	63	13
27.	River	lazy lake	28 65	138
29.	Beautiful	nice	73	42 169
30.	Window	door	57	2
31.		hard	38	144
		mean	1	71
33.		hand	185	5
34.		fly	136	40
35.		pin(s)	158	37
30.	Red	black blue	61 99	0
		white	97	18
40.	Girl	woman	61	8
41.		far	î	58
43.	Sour	bitter	70	63
46.		sailor	58	0
50.		intestine(s)	60	1
51.	Stem	flower(s)	266	447
52	Dream	leaf	96 60	11
53.	Dream Yellow	thought(s) white	70	5
57.		man	104	61
60.		church	50	110
62.		lamb(s)	187	108
66.	Blue	green	54	1
	**	red	54	21
67.		thirsty	73	14
69.	Ocean	sea	75	88

Sti	mulus	Response	Adults	Children
70.	Head	foot	64	0
72. 74.	Long	big	1	55
14.	Whiskey	alcohol	50 46	15 108
75.	Child	beer	193	185
	O.M.L.	infant	122	3
		mother	55	26
79.	City	country	74	86
80.	Square	oblong	258	110 95
81.	Butter	milk	32 101	47
85.	Lion	tiger	102	13
88.	Heavy	hard	38	178
90.	Baby	child	239	172
91.	Moon	sun star(s)	120 125	14 19
92.	Scissors	knife	66	2
93.	Quiet	peaceful	52	3
		rest	68	4
94.	Green	yellow	54	6
95.	Salt	bitter pepper	40 142	110 29
		sour	18	79
		sugar	88	23
96.	Street	avenue	63	34
00	Cheese	road	91	60
98.	Cheese	bread butter	56 136	78 49
		milk	106	32
		IV. CONTRA		-
2	Deal			
2.	Dark Sickness	light health	427	38
5.	Man	woman(en)	142 394	25
6.	Deep	shallow	180	6
7.	Soft	hard	365	27
9.	Mountain	valley	90	3
11.	Black	white	339	27
15.	Short	long	279 168	54
18.	Smooth	tall rough	277	12 35
21.	Sweet	bitter	50	0
		sour	301	23
23.	Woman	man	292	17
24.	Cold	hot	151	12
25.	Slow	warm fast	166 316	25 65
20.		quick	56	4
28.	White	black	308	28
29.	Beautiful	ugly	66	0
31.	Rough Sleep	smooth	346	35
37.	Sieep	awake wake	94 60	14
40.	Girl	boy	350	40
41.	High	low	328	25
43.	Sour	sweet	349	75
48.	Hard	soft	367	65
57.	Boy	girl	319	32
30.	Light	dark darkness	231 93	99
65.	Swift	slow	190	28
72.	Long	short	413	45
80.		round	250	35
83.	Loud	low	57	8
86.	Joy	soft	165 135	13
88.		sorrow	273	54
93.		noise	50	70
	***	noisy	113	8
97.	King	queen	354	50
		V. SIMILAI	RITY	
2.	Dark	black	76	80
4.		ill(ness)	119	100
9.		hill(s)	216	97
11. 15.		dark little	172 15	315 157
13.	Short	nttie	13	157

Sti	mulus	Response small	Adults 136	Children 214
18.	Smooth	even level	30 52	70 55
20.	Chair	seat	127	131
	Woman	lady	41	243
26.	Wish	desire	197	4
28.	White	clean	10 86	97
69.	Beautiful	handsome lovely	64	13
		pretty	113	280
31.	Rough	bumpy	1	61
	Anger	cross	44	56
		passion	51	0
		temper	149	8
		wrath	52	0
	Carpet	rug(s)	177	247
42.	High Working	tall busy	57 51	56 49
44.	WOLKING	labor	147	18
44.	Earth	dirt	115	102
		ground	166	223
58.	Light	bright	47	74
	Sheep	mutton	60	9
	Cottage	house	461	425
65.	Swift	fast	222	391
60	Priest	quick	117 62	10
08.	Friest	clergyman minister	178	168
		preacher	35	57
72.	Long	far	8	90
78.	Thirsty	dry	218	132
81.	Butter	grease	76	5
82.	Doctor	physician	213	6
	Loud Thief	noisy burglar	112	11 64
84.	Inlei	robber	118 126	229
86.	Joy	fun	6	182
00.	303	glad	27	203
		happiness	215	25
		happy	71	260
		pleasure	121	6
90.	Baby	infant	168	20
93.	Quiet King	still	136 162	300 170
	Blossom	ruler flower(s)	540	579
	Afraid	nervous	55	1
400.	2211010	scared	106	290
		timid	55	7
		VI. PART-W	HOLE	
16	Fruit		62	11
33.	Foot	tree(s)	58	11
46.	Soldier	army	137	63
50.	Stomach	body	99	78
51.	Stem	plant	74	25
70.	Head	body	146	26
99.	Blossom	tree(s)	57	9
		VII. WHOLE	-PART	
1.	Table	leg(s)	23	78
3.	Music	notes	17	10
9.	Mountain	peak(s)	17	50
		rock(s)	18	49
10.	House	room(s)	17	64
14.	Hand	finger(s)	112	199
17. 30.	Butterfly	wing(s)	41 316	137 421
30.	Window	glass	82	62
33.	Foot	pane toe(s)	71	115
34.	Spider	legs	27	107
47.	Cabbage	leaves	11	62
49.	Eagle	wing(s)	24	92
62.	Sheep	wool	143	411
69.	Ocean	wave(s)	57	96
70.	Head	brain(s)	90	162
		eye(s)	12 159	107 203
79.	City	hair house(s)	55	29
	Oity	mouse (s)	33	29

		VIII. CAUSE-I	EFFECT	
-	imulus	Response	Adults	Children
4.	Sickness	death	115 650	648
52. 63.	Lamp Bath	light clean	120	192
05.	Dath	cleanliness	109	i
71.	Stove	fire	217	164
-	**** * *	heat	213	112
74.	Whiskey	drunk	31 231	138 155
91.	Moon	light	231	155
		IX. EFFECT-C	AUSE	
37.	Sleep	tired	26	67
67.	Hungry	appetite	57	3
100.	Afraid	burglar(s)	5	60
		dark	114	151 73
		dog	1	. /3
		X. MATERI	AL	
2.	Table	wood	76	21
35.	Needle	steel	53	23
52.	Lamp	glass	8 26	50 80
55.	Bread	dough flour	88	95
36.	Bath	water	339	295
77.	Hammer	iron	45	62
		XI. CONTIGU	UITY	
1.	Table	dish(es)	45	159
2.	Dark	night	221	421
4.	Sickness	bed	54	105
		doctor	62	116
5.	Man Eating	hat table	7 21	82 108
8. 9.	Mountain	snow	10	61
14.	Hand	arm	63	44
30.	Window	light	186	47
33.	Foot	leg(s)	55	115
25	Needle	shoe(s) thread	163 160	81 72
35. 37.	Sleep	bed(s)	75	382
01.	ысер	night	49	95
38.	Anger	boy(s)	3	53
39.	Carpet	floor	256	149
40.	Girl Soldier	dress gun	8 27	240
	Stomach	food	102	83
51.	Stem	pipe	70	42
53.	Dream	bed	11	78
- 4	D 1	night	42	260 8
54. 57.	Bread Boy	butter	151	55
31.	Doy	cap	1	53
		pants	6	63
58.	Light	day	81	67
64.	Cottage	lake	5 166	117 271
68. 69.	Priest Ocean	boat(s)	7	54
02.	Occan	ship(s)	35	79
74.	Whiskey	saloon	15	57
81.		bread	206	467
82.	Doctor	medicine sick	149 52	136 448
		sickness	104	34
84.	Thief	money	16	63
87.	Bed	night	11	106
89.		pipe	69	70 55
90.		milk night	66	128
91.	Moon	sky	73	103
		stars	93	10
96.		horse(s)	2	96
97.	King	crown	13 63	124 83
00	Cheese	country	25	59
98.	CHEESE	mouse	13	128
		rat(s)	15	89

STIT	77
XII.	VERBS

		XII. VER	RBS	
Sti	mulus	Response	Adults	Children
1.	Table	eat	63	358
2.	Dark	see	0	47
3.	Music	play sing	7	81
5.	Man '	work	17	153 168
8.	Eating	eat	0	51
9.	Mountain	climb	9	29
10.	House	live	33	165
14.	Hand	work write	49	113
16.	Fruit	eat	62	52 153
17.	Butterfly	fly	44	179
20.	Chair	sit	107	430
22.	Whistle	blow	95	189
24	Cold	sing freeze	75	6
24.	Slow	walk	7 8	107
26.	Wish	hope	51	10
		want	66	99
27.	River .	swim	4	72
30.	Window	look	15	116
33.	Foot	walk crawls	106	205
34.	Spider Needle	Sew	134	54 449
37.	Sleep	dream	28	55
		rest	300	40
		wake	60	6
38.	Anger	fight	. 8	57
39. 43.	Carpet	walk	15	00
46.	Soldier	fight	17	54 160
	Cabbage	eat	30	193
49.	Eagle	fly	46	120
50.	Stomach	ache	31	189
**	T	eat	45	108
52. 53.	Lamp Dream	burn sleep	20 339	70 272
55.	Bread	eat	148	356
57.	Boy	play	20	84
60.	Bible	read	31	116
63.	Bath	wash	102	143
	Cottage	live	17	79
65.	Swift Hungry	run	19 126	202 337
-	Head	think	9	59
71.	Stove	burn	12	103
		cook	24	62
74.	Whiskey	drink	232	279
77. 78.	Hammer Thirsty	pound drink	51 206	288 364
79.	City	live	7	50
81.	Butter	eat	34	122
83.	Loud	holler	16	190
84.	Thief	steal	212	320
85.	Lion	eat	1	109
87.	Bed	roar	46 8	52 109
	Dea	rest	132	17
		sleep	345	453
89.	Tobacco	chew	28	214
00	D. L.	smoke	387	466
90. 91.	Baby	cry	37 26	119 107
92.	Moon Scissors	shine	347	802
96.	Street	walk	78	88
97.	King	rule	10	107
98.	Cheese	eat	67	251
100.	Afraid	fear	197	14
		XIII. PARTI	CIPLES	
3.	Music	singing	48	23
8.	Eating	drinking	166	2
20.	Chair	sitting	56	17
35.	Needle	sewing	107	81
67. 84.	Hungry Thief	eating	64 69	5 10
89.	Tobacco	stealing smoking	98	28
92.	Scissors	cutting	114	48

XIV. ADJECTIVE-NOUN.

Sti	mulus	Response	Adults	Children
6.	Deep	hole	32	257
		ocean sea	93 90	15
		water	134	14 145
_		well	44	87
7.	Soft	bed	12	57
		bread cotton	4	45
		cushion	28 25	57 39
		pillow	53	138
11.	Black	dress	29	63
18.	Smooth	night glass	51 56	15 48
	Sweet	apple(s)	14	66
		candy	82	146
24	Cold	sugar	224	178
64.	Cold	ice snow	114 45	84 62
		winter	120	103
	Slow	snail	62	2
28.	White	cloth	17	61
		light	34 51	149 125
		paper	17	54
		snow	91	65
	Beautiful	flower(s)	55	43
36.	Rough Red	boy(s)	8 16	126 56
00.	2004	apple(s) blood	71	14
		cloth	8	65
41	Trial	dress	18	85
41.	High	air hill	20	50
		mountain(s)	173	92 125
42.	Working	man	1	93
42	Sour	men	0	. 52
43.	Sour	apple(s) cream	37	96 52
		lemon(s)	95	60
		milk	31	124
		pickle(s)	41	110
48.	Hard	vinegar floor	91 16	53 54
		ground	2	51
		rock	38	92
		stone wood	102	113
		work	66 19	30 89
54.	Yellow	dress	9	129
		flower	38	105
		light orange	14 47	59
65.	Swift	horse	28	81 124
66.	Blue	dress	18	173
		flag	6	82
72.	Long	sky distance	239 81	102
	2016	grass	4	75
80.	Square	box	36	80
83.	Loud	corner(s)	25	89
03.	Loud	noise	205 12	201
88.	Heavy	iron	70	130 213
		lead	60	35
		load	57	72
93.	Quiet	weight house	177	39 62
94.	Green	dress	6	100
6.5	C-14	grass	284	2
95.	Salt	meat water	18 34	99
		water	34	60

XV. Noun-Adjective

		AV. NOUN-AI	JECTIVE	
Sti	mulus	Response	Adults	Children
3.	Music	sweet	47	79
5.	Man	big	0	26
9.	Mountain	high	246	390
10.	House	big warm	4 3	51 62
16.	Fruit	good	24	89
17.	Butterfly	pretty	39	89
22.	Whistle	loud	27	71
35.	Needle	sharp	152	56
36. 39.	Red Carpet	bright soft	40 78	68
44.	Earth	black	7	28 73
440		round	61	82
46.	Soldier	brave	46	53
49.	Eagle	big sick	0	52
50. 51.		long	10 18	85 60
55.	Bread	good	21	90
60.	Bible	holy	57	68
62.		white	18	57
68.	Priest	Catholic	36	111
70	Ocean Head	deep round	87 21	23 58
71.		black	59	37
	5,016	hot	86	200
		warm	32	127
75.	Child	good	7	78
70	Cian	small	52	45
79.	City	big large	9 62	124 40
81.	Butter	soft	65	8
	20000	vellow	80	117
85.	Lion	big	2	83
00	n. L	fierce	36	119
90.	Baby	little small	12 42	97 90
91.	Moon	bright	52	115
		round	33	101
92.	400 4	sharp	190	35
95.		white	36	97
96.	Street	clean dirty	7 5	90 85
		long	29	13
		narrow	21	3
98	. Cheese	good	15	57
		yellow	32	76
		XVII. VERI	R-ORIECT	
0	. Eating	bread	46	178
G	. Lating	food	170	54
26	. Wish	fairy	11	64
77	. Hammer	nail(s)	283	404
		VV W C		
		XX. WORD-Co		
	. Table	cloth	57	43
26		bone	19	85
	l. Spider	up	188 26	261 60
63	3. Bath	tub	71	131
72	2. Long	length	50	25
90	S. Street	car(s)	18	80
		XXII. Misc	PI I A NEOLIC	
	. D			
1	l. Black	color	129	104
2	4. Hand 1. Sweet	clock taste	57	65 23
	2. Whistle	boy(s)	61	103
2	7. River	water	393	433
2	8. White	color	170	116
	6. Red	color	254	298
3	8. Anger	mad	121	56 471
		mad	121	53
42	. Working	hard	105	299
-	3			

Stimulus		Response	Adults	Children
43.	Sour	taste	55	28
46.	Soldier	war	94	203
50.	Stomach	digestion	50	1
54.	Yellow	color	301	320
58.	Light	gas	21	64
		lamp	82	251
		sun	85	29
60.	Bible	God	43	124
		religion	89	4
66.	Blue	color	256	318
67.	Hungry	bread	26	173
		food	136	55
69.	Ocean	water	427	413
77.	Hammer	hard	53	20
78.	Thirsty	water	341	377
80.	Square	block	71	300
89.	Tobacco	habit	.94	1
93.	Quiet	sleep	24	72
94.	Green	color	200	237
95.	Salt	taste	87	21
100.	Afraid	coward	53	19
		night	12	59

Classes XVI, XVIII, XIX and XXI have been omitted from the proceding tables. Under the heading noun-abstract attribute (class XVI), there was only one association of a frequency of over 50 with either adults or children, the association, mountain, -height (adults, 73, children 15). Other cases, of lesser frequency, are the following: butterfly,—beauty; eagle,—flight; Bible,—truth; ocean,—depth; child,—innocence; and lion, strength. Under the heading of pronouns (class XVIII), we have simply included every response consisting of a pronoun. The list of responses called non-specific (class XXI) has already been given in the earlier part of this chapter. Associations by sound-similarity (class XIX) in no case reach a frequency as high as 50, and in most cases have a frequency of only one or two. The following list of illustrations will suffice: table,able; dark,—mark; short,—port; slow,—oh; wish,—mish; river, -sliver; red,-Ed; anger,-angry; high,-height; working,work; city,—citizen; blue,—mew; stove,—love; stove,—move; and afraid,-maid.

CHAPTER VII

Comparison of Preferred Responses of Children and Adults

We have listed below the three most frequent responses of both children and adults. The results for the children are taken from our children's frequency tables and those for adults from the Kent-Rosanoff tables. The frequencies of the three commonest responses of each group are given in heavy faced figures. For each of these three highest frequencies of one group, are given the corresponding frequencies of the other group. For example, with the stimulus word music, the three commonest adult responses are piano (180), sound (95) and song (68), while the three commonest children's responses are piano (198), sing (153) and sweet (79). Sound and song are not among the children's three most frequent responses, but their frequency with children is given, for the sake of comparison, in plain type Similarly, the words sing and sweet, though not among the adults' three most frequent responses, have their frequency given in plain type. The table follows.

COMPARISON OF PREFERRED RESPONSES

Stimulus	Response	Free	quencies	S	timulus	Response	Freq	uencies
Word	Word	Adults	Children		Word	Word	Adults	Children
1. Table	chair	267	16			male	99	8
	wood	76	21			boy	44	29
	furniture	75	0			work	17	168
	eat	63	358			hat	7	82
	dishes	40	126			person	30	45
	legs	10	70					
				6.	Deep	shallow	180	6
2. Dark	light	427	38			water	134	145
	night	221	421			ocean	93	15
	black	76	80			hole	32	257
	see	0	57			well	44	87
3. Music	piano	180	198	7.	Soft	hard	365	27
J. Martiste	sound	95	35			pillow	53	138
	song	68	50			easy	34	15
	sing	12	153			bed	12	57
	sweet	47	79			cotton	28	57
4 61 1	hanleh.	140		8.	Eating	food	170	54
4. Sickness	health death	142	6 8 5			drinking	166	2
		115	8			bread	48	178
	illness	71				table	21	108
	doctor	62	116	0	31	1.1.1	0.40	
	bed ill	54	105	9.	Mountain	high	246	390
	444	48	95			hill	184	91
5. Man	711 O 711 D 40	204	8			valley	90	3
J. Maii	woman	394	8			snow	10	61

	Stimulus Word	Response Word		uencies Children		timulus Word	Response Word		encies Children
10.	House	home building barn live warm big	103 78 74 33 3	39 16 12 165 62 51	26.	Wish	desire want hope bone fairy	197 66 51 0 19	99 10 85 64
11.	Black	white dark color dress	339 172 129 29	27 315 104 63	27.	River	water stream lake swim	393 117 65 4	433 30 42 72
14.	Hand	foot fingers arm work	204 83 68 49	0 130 44 113 65	28.	White	black color snow dress light	308 170 91 34 51	28 116 65 149 125
		clock	. 1	00	29.	Beautiful	pretty handsome nice	113 86 73	280 13 169
15.	Short	long tall small little	279 168 136 15	54 12 214 157	30.	Window	glass light pane look	316 186 82 15	38 421 47 62 116
16.	Fruit	apple apples vegetable eat	157 102 75 62	131 174 10 153	31.	Rough	smooth hard uneven boy mean	346 38 38 4	35 144 13 89 71
17.	Butterfly	insect bird fly wings pretty	261 64 44 31 39	66 57 179 114 89	33.	Foot	hand shoe walk toes leg	185 146 106 41 54	5 73 205 81 79
18.	Smooth	rough soft glass even nice	277 79 56 30 4	35 132 48 70 68	34.	Spider	insect web fly legs bug	276 188 136 27 58	57 261 40 107 83
	Chair	table seat sit set	191 127 107	29 131 430 38	35.	Needle	thread sharp pin sew	160 152 147 134	72 56 36 449
	Sweet	sour sugar candy good	301 224 82 26	23 178 146 213	36.	Red	color blue white dress	254 99 97	298 9 18 85
22.	Whistle	noise sound blow boy	173 103 95 56	185 18 189 79	37.	Sleep	bright rest awake	300 94	40 14
23.	Woman	man female girl lady	292 134 59 41	17 9. 17 243	38.	Anger	bed night tired temper	75 49 26 149	351 95 67 8
24	. Cold	dress mother warm	28 30 166	96 53			mad wrath cross fight	121 52 44 8	471 0 56 57
24.	. Colu	hot winter ice freeze	151 120 114 7	12 103 84 68	39.	Carpet	floor rug soft walk	256 163 78 15	149 245 28 88
25.	. Slow	fast easy snail lazy walk	316 63 62 28 8	65 13 2 138 107	40.	Girl	boy female woman dress child	350 77 61 8 49	40 22 8 240 45

	timulus	Response		uencies Children		Stimulus Word	Response Word		uencies Children
	Word High	Word low mountain tall	328 157 57	25 120 56	55.	Bread	food butter eat	191 151 148	37 68 356
		hill up	20 26	92 60			flour good	88 21	95 90
42.	Working	labor	147 105	18 299	57.	Boy	girl man	319 104	32 61
		busy man men	51 50 6	49 93 51			child play pants	8 6 20 6	45 84 63
43.	Sour	sweet vinegar	349 91	75 53	58.	Light	dark darkness	231 93	99
		lemon milk pickles	78 31 26	57 124 89			sun lamp bright	85 82 47	29 251 74
44.	Earth	ground dirt	166 115	223 102	60.	Bible	book religion	338 89	224
		clay	71 61	0 82			holy God	57 43	68 124
46.	Soldier	man	189	95			read	31	116
		war fight	137 94 17	203 160	62.	Sheep	animal lamb wool	225 151 143	117 79 411
47	Cabbana		394	140	63	Bath	water	339	295
4/.	Cabbage	vegetable plant	48	27	00.	Dath	clean cleanliness	120 109	192
		eat leaves	30 11	21 193 62			wash	102	143
40	TT3				64.	Cottage	house	461 85	425 101
48.	Hard	soft stone wood	367 102 66	65 113 30			country	36 5	117
		rock work	38 19	92 89	65.	Swift	fast	222 190	391 28
49.	Eagle	bird	568	373			quick	117	10 202
		fly flying wings	46 23 16	120 10 49			horse	28	124
**	C		4		66.	Blue	color	256 239	318 102
50.	Stomach	food body organ	102 99 81	82 78 0			green dress	54 18	173
		ache	31 45	189 108	67.	Hungry	food	136	55
		sick	10	85			eat eating	126 64	337 5
51.	Stem	flower	259 96	367 11			bread	26	173
		plant flowers	74	25 80	68.	Priest	minister	178 166	168 271
***		long	18	60			clergyman Catholic	62 36	111
52.	Lamp	light oil	650 49	648 38	69.	Ocean	water	427	413
		chimney burn glass	37 20 8	18 70 50			deep sea waves	87 75 45	23 88 88
53.	Dream	sleep vision	339 48	272	70.	Head	hair body	159 146	203 26
		night	42	260			foot	64	0
5.4	V-11	bed	11	78			brains eyes	32 10	137 91
34.	Yellow	color white	301 70	320 5	71.	Stove	fire	217	164
		orange dress	47	81 129			heat hot	213 86	117 200
		flower	38	105			warm	32	127

	Stimulus	Response Word		uencies Children			,		
72.	Long	short distance length far	413 81 50 8	45 6 25 90			sleeping night lay	41 11 8	16 106 100
		grass big	1	75 55	88.	Heavy	light weight iron	273 177 70	54 39 213
74.	Whiskey	drink liquor alcohol	232 70 50	279 97 15			hard load	38 57	178 72
7.5	Child	drunk	46 31	108 138	89.	Tobacco	smoke smoking pipe	387 98 69	466 28 70
15.	Child	baby infant boy	193 122 64	185 3 90	90.	Baby	chew	28 238	214 172
77	Hammer	children girl	45	94 93			infant small cry	168 42 37	20 90 119
77.	Hammer	nails tool	185 98 69	218 186 11	91.	Moon	little light	12 231	97 155
78.	Thirsty	water	51 341	288 377			sun stars night	120 93 66	14 10 128
70	City	dry drink town	218 206 258	132 364	92.	Scissors	bright	52 347	115 802
19.	City	New York country	99 74 0	110 2 86			sharp cutting	190 114	35 48
60	Square	Minneapolis big round	9	218 124	93.	Quiet	still noisy rest	136 113 68	300 18 4
00.	Square	block table corner	71 47 7	300 5 83	0.4	Green	noise sleep	50 24	70 72
81	Butter	oblong bread	32 206	95 467	94.	Green	grass color yellow	284 200 54	272 237 6
01.		milk yellow eat	101 80 34	47 117 122	95.	Salt	pepper	6 142 88	29
82.	Doctor	physician medicine	213 149	6 136			sugar taste bitter meat	87 40 18	23 21 110 99
		sickness sick man	52 68	34 448 132	96.	Street	white	36	97
83.	Loud	noise soft	205 165	201			road city walk	91 82 78	60 8 88
		noisy holler talk	112 16 12	190 130	97.	King	dirty	5 10	85 79
84.	Thief	steal robber burglar	212 126 118	320 229 64	00	Channe	queen ruler crown rule	354 162 63 10	50 170 124 107
85.	Lion	animal tiger beast fierce eat	326 102 67 36	205 13 95 119	98.	Cheese	butter milk food eat mouse	136 106 91 67 13	49 32 17 251 128
86.	Joy	happiness sorrow	215 135	25 0	99.	Blossom	yellow	32	76
		pleasure happy glad	121 71 27	260 203			flower flowers apple	467 73 50	486 93 87
07	Dod	fun	6	182	100). Afraid	fear dark	197 114	14 151
8/.	Bed	sleep rest	345 132	453 17			scared dog	106	290 73

The preceding table shows in a striking manner how dissimilar are responses given by children from those given by adults. Only for 39% of the stimulus words is the most frequent response the same for both adults and children. Only for five stimulus words are the three most frequent adult responses also the three most frequent child responses. These stimulus words, with their responses, are sheep (animal, lamb, wool), thirsty (water, dry, drink), thief (steal, robber, burglar), scissors (cut, sharp, cutting) and blossom (flower, flowers, apple).

It may be observed that the response given most frequently by the adults is less apt to be one of the three most frequent children's responses than is a response given most frequently by the children to be one of the three most frequent of the adults' responses. The favorite adult reaction is one of the three most frequent of the children's in 59 per cent of the cases, while the children's favorite reaction is one of the adults' three most frequent in 74 per cent of the cases. Now it is shown in Chapter VIII that there are more adult responses not given by children than there are children's responses not given by adults. We may consequently conclude that the adult responses differ from children's not so much because of the dropping off of the children's responses as by the occurrence of additional responses. Of course the occurrence of additional responses causes a decrease in the percentage of the child responses given by adults. The range of adult responses is, however, broader than that of the children's. The adults retain what the children have and acquire much more besides.

It is of interest to note, further, how the absolute frequencies of the three preferred reactions of adults and children compare with each other. The average frequency of the favorite adult reaction is 264 (median 252), of the favorite children's reaction 270 (median 251). The number of adults' frequencies over 400 is 7, and of children's, 16. The number of adult frequencies over 300 is 34, and of children's, 36. The percentage of the entire 90,000 responses included by the three most frequent words is, for adults, 46% and for children, 48%. It is evident, then, that, with the list of stimulus words here used, there is not

much difference between children and adults in the average frequency of the favorite reaction. This result is very interesting when compared, with the findings of Saling, Reinhold and Römer.¹

¹ See Chap. II, pp. 10-13 and 20-21.

CHAPTER VIII

INDIVIDUAL RESPONSES AND TOTAL NUMBER OF RESPONSE WORDS

The tendency of children, as compared with adults, to give individual responses has not hitherto been properly set forth. We will show that previous experimenters have not succeeded in reaching a general answer to the question whether children give more individual responses than adults. With the list of stimulus words we have used, children give decidedly fewer individual associations than adults.

A great deal of misunderstanding must exist regarding this matter, as nearly all experimenters (Ziehen, Wreschner, Saling, Reinhold and the Rosanoffs) have been cited to the effect that children give distinctly fewer common associations (and hence more individual association) than adults.¹ That the work of these experimenters has been incorrectly interpreted, we believe can be easily pointed out.

In the first place, Ziehen did not draw any conclusion concerning common and individual associations. He could not, because to do so requires frequency tables, and Ziehen had no frequency tables. It is true that Ziehen concluded that the commonest effect of the stimulus word in children is to call up an individual representation (Individualvorstellung). But the term, individual, as here used by Ziehen, is far from meaning an association not given by others. It means a concrete image as contrasted with a general idea.

Considering next the work of Wreschner, we have simply to observe that conclusions concerning the tendency of children to give individual associations, a matter which has to be determined statistically, can not very safely be drawn from an investigation employing but 2 subjects, both under 6 years of age.

¹ See Whipple G. M., 'Manual of Physical and Mental Tests,' 2d Ed., Part II, 1915, p. 60.

Saling did not consider the matter of individual associations, but made merely a comparison of children and adults with respect to the frequency of the favorite, or most frequent, reaction.²

Reinhold, like Saling, did not consider the matter of individual associations, but merely the variation with age in the average frequency of the favorite response. On this point his data are materially different from those of Saling.³ If it be said that these investigators show that the most frequent reaction has a higher frequency with adults than with children, and that consequently children must be supposed to give a larger number of individual associations, we can only ask, who has shown this? Our own data, and, on this point, there are no other at hand, show no such relation between the frequency of preferred responses and the total number of responses. We find the average frequency of the most frequent response to be very nearly the same in both children and adults whereas we find that adults give a decidedly larger number of individual associations.

We come, lastly, to the investigation made by the Rosanoffs. What the Rosanoffs actually showed is that younger children give a larger percentage of responses not found in the Kent-Rosanoff adult tables than do the older children. This conclusion should not be misleadingly stated by saying simply that children give more individual associations than adults. That children would give adult responses less often than adults seems clear. When, however, one says that children give more individual associations than adults, he implies that they give more responses with a frequency of only one. This is not the case, as will be seen below.

In order, now, to show the tendency of children, as compared with adults, to give individual associations, we give merely the number of associations in both the children and adult tables with a frequency of one. With children, we take as individual responses, those which have a frequency of only one in our children's (written) frequency tables. With adults, we take as individual responses, those with a frequency of one in the Kent-Rosanoff tables. This means we follow the same procedure with

² See Chapter II, p. 10, 11.

³ See Chapter II, p. 13.

both children and adults that Kent and Rosanoff do in the case of adults. We shall not, however, make any distinction between 'doubtful' reactions and individual reactions. We define as an individual association, then, any response occurring only once in a frequency table of 1,000 responses. This is a technical definition. Broadly speaking, we regard as an individual association any association not commonly given by persons of the class in question. In order to get figures, it is necessary to agree on some standard for determining whether an association is commonly given. We arbitrarily agree to call uncommon an association found only once in a thousand cases.

The figures on individual associations, as defined above, for both adults and children, are given in the accompanying table.

		INDIVIDU	AL RESPONSES,	NINE	TY STIMU	LUS WORDS	,	Y
	Stimulus	Children	Adults		Stimulus	Children	Adults	
1.	Table	49	66	51.	Stem	69	57	
2.		50	70	52.	Lamp	37	39	
	Dark			53.		77	117	
3.	Music	45	92		Dream	66	79	
4.	Sickness	54	81	54.	Yellow	46	52	
5.	Man	59	111	55.	Bread	85	105	
6.	Deep	49	70	57.	Boy	62	84	
7.	Soft	64	79	58.	Light	38	63	
8.	Eating	46	82	60.	Bible	64	62	
9.	Mountain	52	82	62.	Sheep			
10.	House	55	96	63.	Bath	39	46	
11.	Black	49	62	64.	Cottage	48	75	
14.	Hand	65	80	65.	Swift	51	77	
15.	Short	75	101	66.	Blue	64	65	
16.	Fruit	23	61	67.	Hungry	87	92	
17.	Butterfly	29	77	68.	Priest	54	. 91.	
18.	Smooth	41	91	69.	Ocean	40	58	
20.	Chair	24	54	70.	Head	62	84	
21.	Sweet	35	55	71.	Stove	30	44	
22.	Whistle	45	84	72.	Long	95	116	
23.	Woman	54	89	74.	Whiskey	41	94	
24.	Cold	51	70	75.	Child	73	91	
25.	Slow	30	131	77.	Hammer	46	51	
26.	Wish	44		78.	Thirsty	28	47	
27.	River		144	79.	City	53	78	
28.		23 -	75	80.		67	105	
29.	White	76	79	81.	Square	32	48	
30.	Beautiful	33	109		Butter	39	98	
31.	Window	48	52	82.	Doctor	72	75	
33.	Rough	68	121	8,3.	Loud	50	98	
34.	Foot	68	69	84.	Thief	48	81	
34.	Spider	56	77	85.	Lion	47	104	
35.	Needle	24	35	86.	Joy	31	54	
36.	Red	65	70	87.	Red	63	100	
37.	Sleep	67	71	88.	Heavy	32	70	
38.	Anger	68	175	89.	Tobacco	54	85	
39.	Carpet	56	62	90.	Baby	33	58	
40.	Girl	55	104	91.	Moon	23	49	
41.	High	72	61	92.	Scissors	53	100	
42.	Working	70	122	93.	Quiet	58		
43.	Sour	53	50	94.	Green		65	
44.	Earth	59	80	95.	Salt	60	80	
46.	Soldier	48	88	96.	Street	62	89	
47.	Cabbage	36	58	97.	Street	84	72	
48.	Hard	67	93		King	32	75	
49.	Eagle	49	53	98. 99.	Cheese	69	57	
50.	Stomach	70	84		Blossom	39	124	

50. Stomach 70 84 100. Afraid 49 124

4 Kent and Rosanoff classify as 'doubtful' any response which occurs only once, but it is a grammatical variant of some other obtained response.

SUMMARY

Total number	Children 4.702	Adults 7.171
Per Cent of all Responses	. 5.2	8.0
Av. per Stim. Word	. 52	80
Median per Stim. Word	. 50	79

In the case of only five words, does the number of individual responses given by the children exceed that given by the adults. These five words are high, sour, stem, sheep, and king. The largest number of individual responses given by the children is 95, to the word long. The largest number given by the adults is 175, to anger. The adults give over 95 individual responses to each of 20 words. For 92 per cent of the words, the number of individual responses for the adults exceeds the median number for the children. It is clear, then, that children give decidedly fewer individual associations than adults.

Besides the percentage of individual responses, that is, of responses of a frequency of one, it is of interest to note the percentage of responses of other frequencies. This is shown in the following table, which gives the percentage of the total number of responses, made up by responses of various specified frequencies.

PERCENTAGES (OF ALL RESPONSES) COMPOSED BY RESPONSES OF VARIOUS

	Frequencies	
Frequency	Percentage of all Children	Responses Adults
1	5.2	8.0
2-9 incl	12.4	13.6
10—99 "	39.3	37.7
100-199 "	16.8	16.0
200-299 "	10.1	10.7
300-399 "	7.7	10.2
400 or over	8.5	3.8

In this connection, it is interesting to note that adults give more of the children's responses than do children of the adults' responses. To show this, we have determined, first, the number of responses given by adults not occurring in our children's frequency tables (written responses) and, second, the number of responses given by children not occurring in the Kent-Rosanoff tables. The adults give 8,847 words which do not occur in our children's frequency tables. These words have a combined or total frequency of 19,742. The children, on the other hand, give only 5,253 words not occurring in the Kent-Rosanoff tables. The total frequency of these words is 12,510. These results are in accord with the general fact, already noted in another con-

nection,³ that the adults tend to keep the children's responses, while acquiring new ones. This is what we should expect, since evidently all the children's responses are responses which adults could give and would give occasionally, whereas a great many of the adult responses involve associations that are hardly possible for the child, if for no other reason, on account of his limited experience and speech endowment. The adults' experience includes the child's experience.

Lastly, we may consider the total number of different response words given. The data are given in the accompanying table.

TOTAL NUMBER OF RESPONSE WORDS, NINETY STIMULUS WORDS

	LUIAL	TAO MIDER	OF TELESTORISE	*** 01100, 1111	ELL DIIMCECS	11 ORDS
	Stimulus	Children	Adults	Stimu	lus Children	Adults
1.	Table	104	124	51. Sten	103	120
2.	Dark	104	114	52. Lam	p 63	78
3.	Music	84	172	53. Drea		185
		123	145	54. Yell	ow 104	149
4.	Sickness			54. 1 CH	104	
5.	Man	150	169	55. Brea		104
6.	Deep	112	119	57. Boy	159	174
7.	Soft	163	155	58. Ligh		142
8.	Eating	127	168	60. Bibl	e 91	128
9.	Mountain	103	142	62. Shee	p 106	110
10.	House	144	184	63. Bath	71	93
11.	Black	112	109	64. Cott	age 80	142
14.	Hand	148	146	65. Swift	it 89	127
15.	Short	138	159	66. Blue		116
16.	Fruit	70	123	67. Hun		173
17.	Butterfly	81	145	68. Prie	st 92	161
18.	Smooth	116	157	69. Ocea		110
20.	Chair	77	107	70. Hea		163
21.	Sweet			71. Stov		91
	Whistle	82	95		g 178	178
22.	whistle	114	151	72. Lon		
23.	Woman	129	163	74. Whi	skey 71	152
24.	Cold	118	123	75. Chil		162
25.	Slow	128	204	77. Han	nmer 76	109
26.	Wish	106	232	78. Thi	rsty 52	86
27.	River	73	127	79. City		131
28.	White	125	135	80. Squ	are 122	195
29.	Beautiful	110	182	81. But		101
30.	Window	88	102	82. Doc	tor 68	151
31.	Rough .	156	201	83. Lou	d 115	140
33.	Foot	112	127	84. Thi	ef 86	170
34.	Spider	105	126	85. Lion	93	137
35.	Needle	61	72	86. Joy	88	172
36.	Red	112	138	87. Bed		112
37.	Sleep	105	129	88. Hea	vv 109	158
38.	Anger	99	281	89. Tob	acco 64	122
39.	Carpet	106	135	90. Bab	v 104	150
40.	Girl	123	169	91. Mo	on 75	110
41.	High					181
42.	Westins	130	120	92. Scis		
	Working	127	221	93. Qui		167
43.	Sour	89	91	94. Gre		122
44.	Earth	109	162	95. Salt		146
46.	Soldier	91	159	96. Stre		163
47.	Cabbage	80	126	97. Kin	g 135	120
48.	Hard	110	156	98. Che		146
49.	Eagle	89	109		ssom 63	99
50.	Stomach	123	162	100. Afr		189

SUMMARY		
Total Number Average per Stimulus Word Median "" See Chapter VII, p. 97.	Children 9,183 102 105	Adults 12,871 143 142

The total number of response words is greater with adults in the case of all but 6 stimulus words. These 6 stimulus words are soft, black, hand, high, long and king. They each have an opposite or coordinate similar to an opposite (as hand,—foot and king,—queen) which, in accordance with the general rule, absorbs a much larger portion of the adults' responses than of the children's. The largest array of responses given by the children occurs with the word long, to which they give 178 responses, whereas the adults give as high as 281 responses to the word anger, and give over 200 responses to each 5 words. For 89 per cent of the stimulus words, the number of responses given by the adults is larger than the median number given by the children. Of the 12,871 adults' response words, 8,847, or 69 per cent, are not given by the children; while of the 9,183 children's response words, 5,253, or 57 per cent, are not given by adults.

CHAPTER IX

COMPARISON OF ORAL AND WRITTEN RESPONSES

Since the Kent-Rosanoff data were obtained orally, while ours were obtained in writing, it seemed desirable to check up our data with results obtained orally. This we did, as already explained, in the case of the first 9 words. We find that the written and oral results, taken as a whole, are essentially similar. Since the 9 words used constitute a fair sample of the whole list, it may be presumed that our results are valid no matter which method is used.

In the preceding chapters, we have drawn conclusions concerning the differences between children and adults on the following points:

- 1. The frequencies of various association types.
- 2. Preferred reactions and their frequencies.
- 3. Individual responses and the total number of response words.

We shall proceed to compare, on each of these points, the responses obtained orally and those obtained in writing. By putting the Kent-Rosanoff data on adults alongside our data on children, we will show that every conclusion we have drawn holds for the children's oral responses as well as for their written ones.

1. The Frequency of Various Association Types.—We give below the total number of associations of each type obtained in response to the first 9 stimulus words. In the first column, is given the number of children's written responses, in the second, the number of children's oral responses and in the third, the number of adults' responses. That the 9 words here considered are fairly representative of the total results, is shown by the fact that for most types the ratios between children and adults are roughly the same for the 9 words as for the total results.

TOTAL FREQUENCIES OF VARIOUS ASSOCIATION TYPES
NINE STIMULUS WORDS

Association		(Adults	
	Type	Written	Oral	(Oral)
	Contrast	143	282	1,680
	Noun-Abst. Att.	15	0	73
Preferred	Part-Whole	0	0	0
by	Superordination	96	102	352
Adults	Participles	93	133	360
	Coordination	271	356	564
	Cause-Effect	136	138	313
	Verbs	1,037	1,058	136
	Verb-Object	463	453	296
	Noun-Adj.	838	818	420
Preferred	AdjNoun	1,093	1,075	715
by	Contiguity	1,381	1,281	581
Children	Whole-Part	203	211	158
	Subordination	533	415	333
	Pronouns	30	35	1
	Sound Similarity	86	76	4
	Word Compounding	105	100	109
	Similarity	360	406	563
Equally	Effect-Cause	44	39	91
Frequent	Material	33	26	78
in Both	Non-Specific	748	737	595
Groups	Miscellaneous	15	10	1

The agreement between the children's oral data and their written data is so close that there can be little question but that all our conclusions would hold as well for the one as for the other. It is interesting to note, however, that orally the children give nearly twice as many associations by contrast and also more coordinates and more participles than they do in writing. seem, further, to give fewer subordinates and fewer associations of the class verb-object. These differences may not be reliable, but they seem sufficiently marked to suggest that somehow they are correlated with the difference in method. Just why children should give opposites orally more frequently than in writing is hard to say. It can hardly be due to any difficulty in writing, since many words which are written infrequently as opposites are written very frequently when they form associations of some type more characteristic of children. This whole matter of the difference between the mental attitudes in writing and speaking should be made the object of a special investigation. The results here obtained suggest one method.

2. Preferred Reactions and Their Frequencies.—In the adjoining table, will be found the three most common reactions for each of the nine stimulus words used orally.

		THREE MOST	FREQUENT		dults
1.	Stimulus Table	Written 358 eat 126 dishes 70 legs	Oral 331 eat 115 dish 56 legs	267 nes 76	Oral) chair wood furniture
2.	Dark	421 night 80 black 57 see	410 nigh 100 blac 98 ligh	ck 221	light night black
3.	Music	198 piano 153 sing 79 sweet	236 sing 166 pian 66 not	no 95	piano sound song
4.	Sickness	116 doctor 105 bed 95 ill	131 bed 116 doc 94 ill	tor 115	health death illness
5.	Man	168 work 82 hat 45 person	153 wor 68 hat 57 big	99	woman male boy
6.	Deep	257 hole 145 water 87 well	244 hol 162 wat 76 wel	ter 134	shallow water ocean
7.	Soft	138 pillow 57 bed 57 cotton	122 pill 71 cus 65 cot	shion 53	hard pillow easy
8.	Eating	178 bread 108 table 54 food	152 bre 113 tab 103 foo	le 166	food drinking bread
9.	Mountain	390 high 91 hill 61 snow	432 hig 104 hil 50 cli	1 184	high hill valley

The table shows that the dissimilarity between the preferred responses of children and adults is as striking with the children's oral responses as with their written. The average frequency of the children's most frequent response is 246 with the oral data, and 247 with the written data. The total frequency for the three preferred responses for all nine stimulus words is 3,891 with the children's oral results, and 3,776 with the written. With such close agreement between the oral and written data in the preferred responses and their frequencies, it is clear that any conclusions on these points hold equally well for oral and for written data.

3. Individual Responses and Total Number of Response Words.—The total number of response words given to a stimulus word is, on the average, exactly the same for the written and for the oral data, and the number of individual responses is nearly the same. Our conclusion that adults give more individual responses and also a larger total number of response words than children evidently holds for the oral data as well as for the written. The figures are as follows:

NUMBER OF	INDIVIDUAL RE	SPONSES	TOTAL	NUMBER OF	RESPONSE	Words
Stimulus	Child	ren	Adults	Childs	ren	Adults
Word	Written	Oral	(Oral)	Written	Oral	(Oral)
 Table Dark Music Sickness Man Deep Soft Eating Mountain 	49 50 45 54 59 49 64 46 52	47 59 47 53 75 57 77 39	66 70 92 81 111 70 79 82 82	104 104 84 123 150 112 163 127 103	103 113 102 110 161 107 160 112	124 114 172 145 169 119 155 168 142
Total Number		505 56	733 81	1,070	1,068	1,308

CHAPTER X

GENERAL SUMMARY

The present work contains children's association frequency tables for each of 100 stimulus words. The tables are composed of the responses of 1,000 Minneapolis school children, from 9 to 12 years of age inclusive, all in the fourth and fifth grades.

The list of stimulus words contains 90 words of the Kent-Rosanoff list. A comparison is made in the case of these 90 words between the children's associations and the associations of adults as shown by the Kent-Rosanoff tables.

The chief points established by this comparison may be stated as follows:

- 1. In general, children's associations differ enormously from those of adults.
- 2. Marked differences exist between children and adults in the frequency of various types of association. The types which occur more frequently with adults than with children are the following: contrast, superordination, coordination, part-whole, noun-abstract attribute, participles and cause-effect. The types which occur more frequently in children than adults are the following: verbs, verb-object, noun-adjective, adjective-noun, pronouns, sound similarity, contiguity, whole-part and, less definitely, subordination and word-compounding. No reliable difference was found between the groups with respect to the following types: similarity (in meaning), material, effect-cause, non-specific reactions and a miscellaneous group. The results concerning associations of the class, effect-cause, are not regarded as very reliable.
- 3. With only 39 per cent of the stimulus words, is the most frequent response the same for both children and adults. Only with five words, are the three most frequent responses the same for both children and adults.
 - 4. The frequency of the favorite, or most frequent response,

is about the same for both groups, as is also that of the three most frequent responses. Thus the medium frequency of the favorite response is 251 for children and 252 for adults, while the percentage of all responses included by the three preferred responses is 48 for children and 46 for adults.

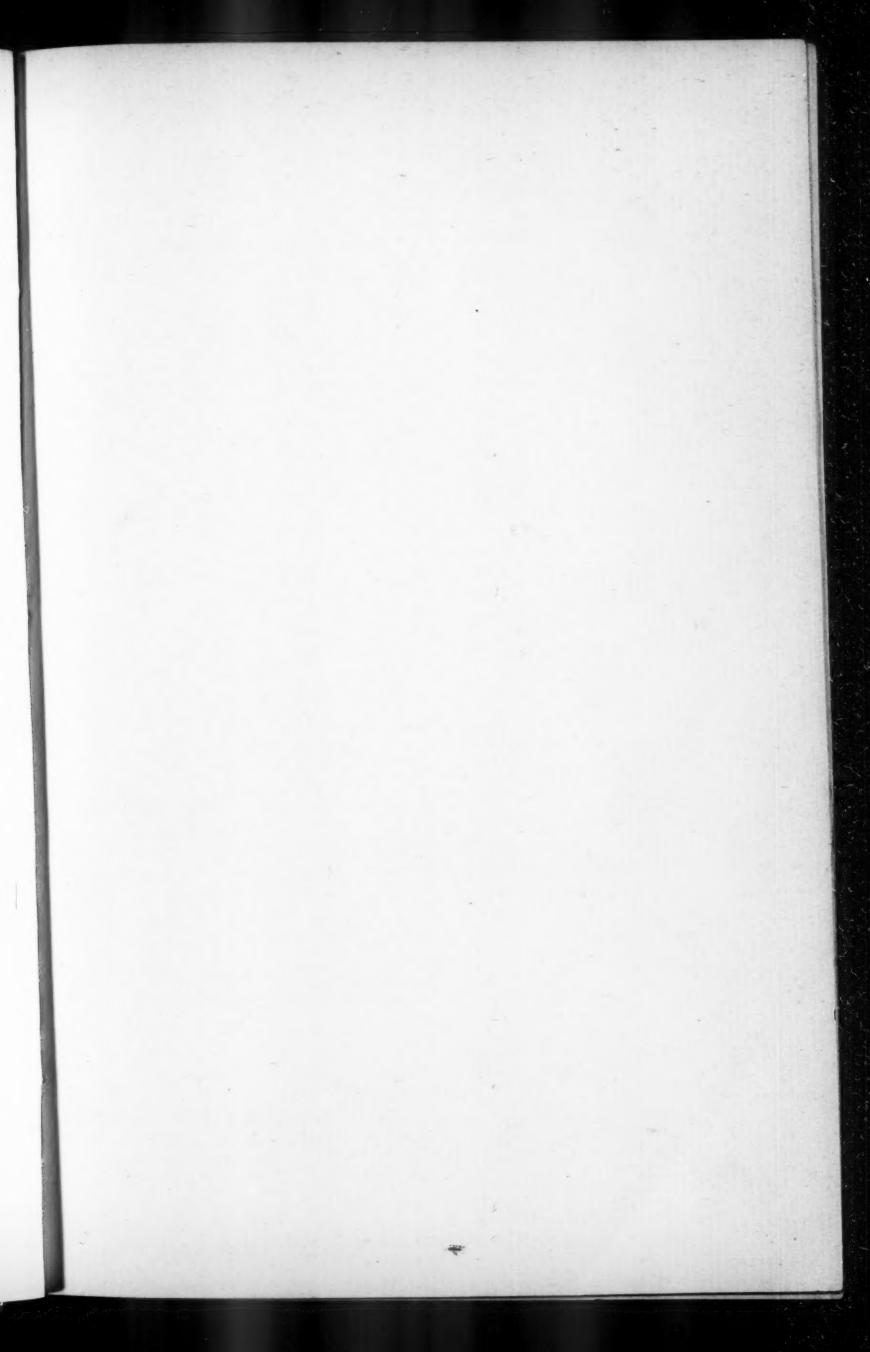
5. Children give fewer individual responses than adults. Defining as individual responses, those with a frequency of only one in the frequency tables, it may be said that, on the average, children give only fifty-two individual responses to a stimulus word, whereas adults give eighty.

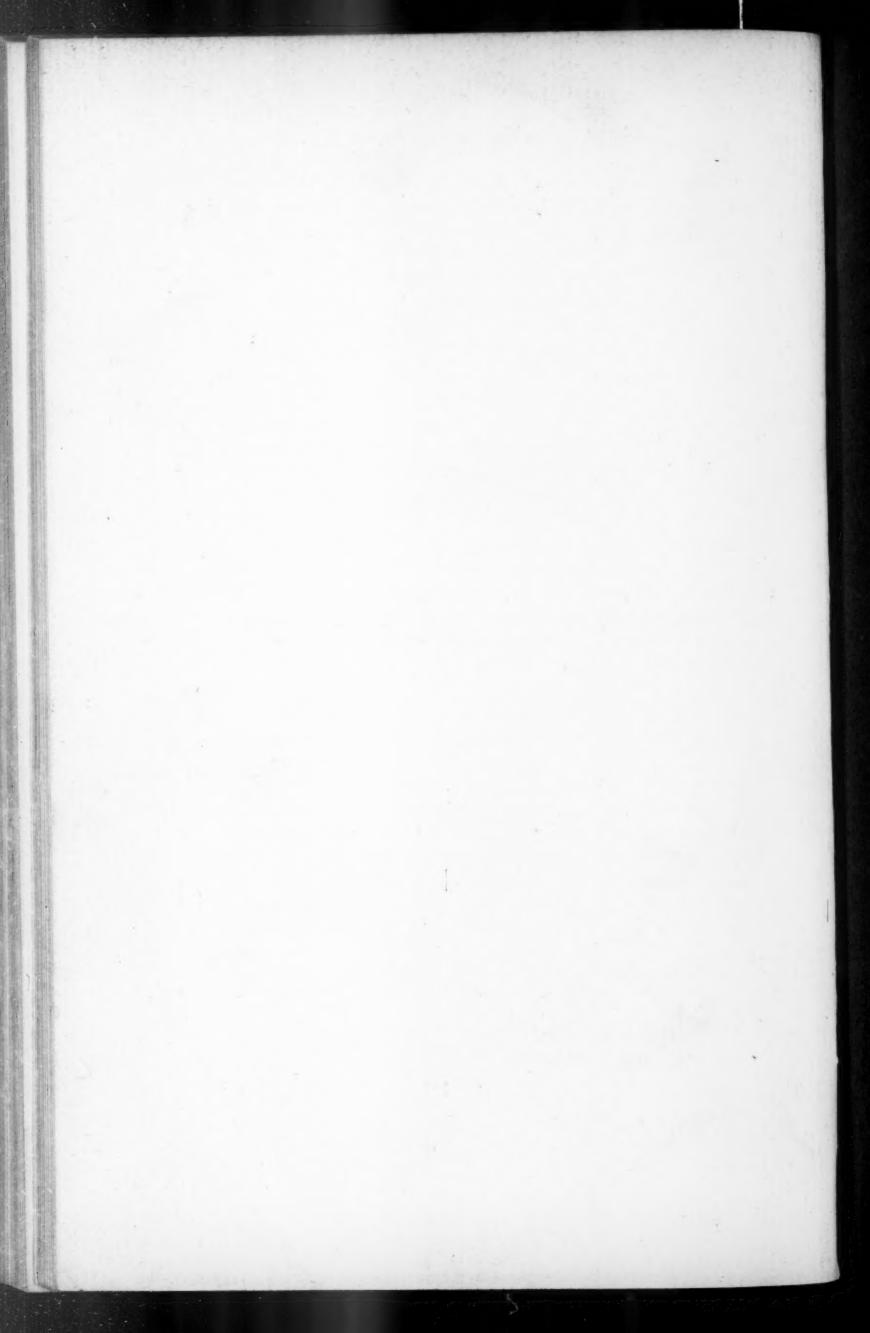
6. The number of different words given in response to any stimulus word is less with children than with adults, being, on

the average, 102 with children and 143 with adults.

7. The adults give more of the children's response words than the children do of the adults'. Thus, the adults give 8,847 words not given by the children. These words have a combined frequency of 19,742. The children, on the other hand, give only 5,253 words not given by the adults. Their combined frequency is 12,510. Moreover, in the case of any stimulus word, the children's favorite response is more apt to be given frequently by adults than is the adults' favorite response to be given frequently by children. Thus, the favorite adult response is one of the children's three most frequent in 59 per cent of the cases while the children's favorite response is one of the adult's three most frequent in 74 per cent.

The preceding conclusions have general validity only in so far as the list of stimulus words used can be called representative. They are not dependent upon the manner in which the responses are given, since they hold as well for oral responses as for written. They hold likewise for children of each of the four age groups used, since the differences with age found in the children is slight as compared with the differences between children and adults.





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